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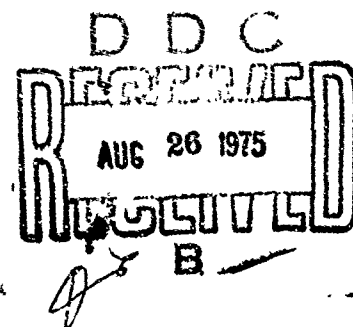
**CLOUD COVER STATISTICS FOR MOUNT
HALEAKALA, MAUI, HAWAII FOR THE
PERIOD: MAY 1972 - DECEMBER 1974**

12

*ELECTRO-OPTICS AND RECONNAISSANCE BRANCH
RECONNAISSANCE AND WEAPON DELIVERY DIVISION*

JULY 1975

TECHNICAL REPORT AFAL-TR-75-61



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AIR FORCE AVIONICS LABORATORY (405B)
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**AIR FORCE SYSTEMS COMMAND
United States Air Force**

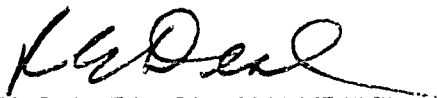
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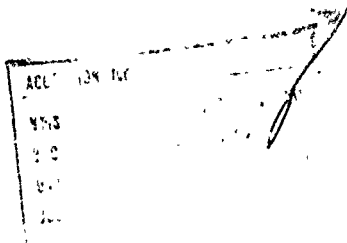
This report has been reviewed by the Information Office (OI) and is releasable to the National Technical Information Service (NTIS). At NTIS, it will be available to the general public, including foreign nations.

This technical report has been reviewed and is approved for publication.

FOR THE COMMANDER



ROBERT E. DEAL, ACTG. CHIEF
Electro-Optics and Reconnaissance Branch
Reconnaissance and Weapon Delivery Division



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SECURITY CLASSIFICATION OF THIS PAGE(When Data Entered)



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SECTION I
INTRODUCTION

In the course of site evaluation for a ground receiver station for the 405B Program (Space Laser Communications), weather data for the ARPA Maui Observation Station (AMOS) were obtained. The weather data, taken at four hour intervals, for May 1972 to December 1974 is listed in the Appendix.

Although cloud cover, wind speed/direction and relative humidity are given, only the cloud cover data was analyzed. It was learned¹ after tabulation of the data began that; "The relative humidity measurements were all taken inside the AMOS west dome. Prior to January 1974, the anemometer was located on a tower approximated 40 feet south of the front entrance to the Observatory; elevation was 50 feet above ground level. In late January, the sensor was moved to a position on the northeast corner of the main building. Elevation is about twenty feet above ground level." For this reason, the wind and relative humidity data are presented but not summarized.

The information presented in this report must be used with care, 32 months of cloud cover statistics cannot be considered adequate for

drawing any detailed conclusions on average cloud cover for a future time. The variability in the cloud cover is apparent in the tables in Section III. However, some general conclusions, as to which season of the year and hours of the day have the highest incidence of cloud cover, can be reached.

This report should be thought of as a summary of the past cloud cover statistics for Mount Haleakala. A more detailed climatological study will require hourly observations for a period of seven to ten years.

SECTION II
MONTHLY CLOUD COVER SUMMARIES

The monthly cloud cover summaries for the 32 months, May 1972 to December 1974, are presented in Table 1.

The percentage frequency of occurrence for eighths of cloud cover are given. Cloud cover observations were taken at four hour intervals beginning at 0000 hours local standard time (LST). Since observations were not normally taken on weekends, the number of observations for each observation time is given. Also given, are the percentage frequency occurrence of days when a "weather" event occurred during any of the observation times in a given day. A "weather" event is defined as:

- (1) fog
- (2) rain
- (3) both fog and rain in any given day
- (4) snow
- (5) hail

The summaries for the twelve months of the year are given in Table 2. Therefore, for the months of January, February, March and April, two months of data (1973 and 1974) are used to comprise a summary. And for the other eight months, three months of data (1972, 1973 and 1974) are used to comprise a summary.

TABLE 1

AMOS, MOUNT HALEAKALA, MAUI, HAWAII

PERCENTAGE FREQUENCY OF OCCURRENCE OF EIGHTHS OF CLOUD COVER

(a)

MAY 1972

	0	1	2	3	4	5	6	7	8	# OBS
0 LST	50.00	0.00	10.00	5.00	10.00	0.00	5.00	15.00	5.00	20
4 LST	50.00	0.00	15.00	10.00	5.00	0.00	10.00	0.00	10.00	20
8 LST	50.00	0.00	20.00	10.00	0.00	0.00	0.00	0.00	20.00	10
12 LST	50.00	10.00	0.00	0.00	10.00	0.00	0.00	0.00	30.00	10
16 LST	40.00	10.00	0.00	10.00	0.00	0.00	0.00	0.00	40.00	10
20 LST	52.63	10.53	10.53	10.53	0.00	10.53	0.00	0.00	5.26	19
ALL HRS	49.44	4.49	10.11	7.87	4.49	2.25	3.37	3.37	14.61	89

PERCENTAGE FREQUENCY OF OCCURRENCE OF DAYS WITH

FOG = 0.00, RAIN = 5.00, FOG AND RAIN = 0.00, SNOW = 0.00 OR HAIL = 0.00

FOR 20 DAYS OF OBSERVATIONS

(b)

JUN 1972

	0	1	2	3	4	5	6	7	8	# OBS
0 LST	50.00	0.00	9.09	4.55	9.09	0.00	18.18	4.55	4.55	22
4 LST	45.45	0.00	13.64	4.55	4.55	4.55	13.64	4.55	9.09	22
8 LST	54.55	0.00	4.55	9.09	18.18	0.00	0.00	0.00	13.64	22
12 LST	15.00	5.00	10.00	20.00	10.00	5.00	10.00	0.00	25.00	20
16 LST	26.32	10.53	0.00	0.00	21.05	10.53	0.00	0.00	31.58	19
20 LST	58.82	5.88	0.00	0.00	5.88	0.00	0.00	17.65	11.76	17
ALL HRS	41.80	3.28	6.56	6.56	11.48	3.28	7.38	4.10	15.57	122

PERCENTAGE FREQUENCY OF OCCURRENCE OF DAYS WITH

FOG = 0.00, RAIN = 4.55, FOG AND RAIN = 4.55, SNOW = 0.00 OR HAIL = 0.00

FOR 22 DAYS OF OBSERVATIONS

TABLE 1 (CONTD)

AMOS, MOUNT HALEAKALA, MAUI, HAWAII

PERCENTAGE FREQUENCY OF OCCURRENCE OF EIGHTHS OF CLOUD COVER

(c)

JUL 1972

	0	1	2	3	4	5	6	7	8	# OBS
0 LST	63.16	0.00	0.00	15.79	15.53	0.00	0.00	0.00	10.53	19
4 LST	63.16	0.00	5.26	5.26	0.00	5.26	0.00	0.00	21.05	19
8 LST	52.63	15.79	0.00	0.00	15.53	0.00	0.00	0.00	21.05	19
12 LST	5.26	26.32	15.79	5.26	15.79	0.00	5.26	0.00	26.32	19
16 LST	33.33	5.56	11.11	0.00	5.56	5.56	5.56	11.11	22.22	18
20 LST	55.56	0.00	5.56	11.11	0.00	5.56	11.11	5.56	5.56	18
ALL HRS	45.54	8.04	6.25	6.25	7.14	2.68	3.57	2.68	17.86	112

PERCENTAGE FREQUENCY OF OCCURRENCE OF DAYS WITH

FOG = 5.26, RAIN = 5.26, FOG AND RAIN = 5.26, SNOW = 0.00 OR HAIL = 0.00

FOR 19 DAYS OF OBSERVATIONS

(d)

AUG 1972

	0	1	2	3	4	5	6	7	8	# OBS
0 LST	82.61	0.00	0.00	4.35	0.00	0.00	0.00	8.70	4.35	23
4 LST	65.22	0.00	4.35	4.35	4.35	4.35	0.00	8.70	8.70	23
8 LST	69.57	13.04	0.00	0.00	0.00	0.00	0.00	0.00	17.39	23
12 LST	34.78	17.39	0.00	4.35	4.35	0.00	4.35	4.35	30.43	23
16 LST	75.00	0.00	0.00	0.00	0.00	0.00	5.00	5.00	15.00	20
20 LST	81.25	0.00	0.00	6.25	0.00	0.00	0.00	6.25	6.25	16
ALL HRS	67.19	5.47	.78	3.13	1.56	.78	1.56	5.47	14.06	128

PERCENTAGE FREQUENCY OF OCCURRENCE OF DAYS WITH

FOG = 4.35, RAIN = 0.00, FOG AND RAIN = 21.74, SNOW = 0.00 OR HAIL = 0.00

FOR 23 DAYS OF OBSERVATIONS

TABLE 1 (CONTD)

AMOS, MOUNT HALEAKALA, MAUI, HAWAII

PERCENTAGE FREQUENCY OF OCCURRENCE OF EIGHTHS OF CLOUD COVER

(e)

SEP 1972

	0	1	2	3	4	5	6	7	8	# OBS
0 LST	85.00	0.00	5.00	0.00	0.00	0.00	0.00	5.00	5.00	20
4 LST	90.00	0.00	5.00	5.00	0.00	0.00	0.00	0.00	0.00	20
8 LST	80.00	0.00	5.00	0.00	5.00	0.00	0.00	5.00	5.00	20
12 LST	44.44	27.78	5.56	0.00	5.56	5.56	0.00	0.00	11.11	18
16 LST	55.00	0.00	5.00	0.00	5.00	0.00	0.00	15.00	20.00	20
20 LST	80.00	5.00	0.00	0.00	0.00	0.00	5.00	5.00	5.00	20
ALL HRS	72.88	5.00	4.24	.85	2.54	.85	.85	5.00	7.63	118

PERCENTAGE FREQUENCY OF OCCURRENCE OF DAYS WITH

FOG = 5.00, RAIN = 5.00, FOG AND RAIN = 5.00, SNOW = 0.00 OR HAIL = 0.00
FOR 20 DAYS OF OBSERVATIONS

(f)

OCT 1972

	0	1	2	3	4	5	6	7	8	# OBS
0 LST	74.19	0.00	0.00	0.00	3.23	0.00	0.00	3.23	19.35	31
4 LST	67.74	0.00	0.00	3.23	0.00	3.23	0.00	3.23	22.58	31
8 LST	61.29	9.68	3.23	3.23	6.45	0.00	3.23	3.23	9.68	31
12 LST	29.03	19.35	6.45	16.13	0.00	0.00	9.68	3.23	16.13	31
16 LST	46.67	10.00	10.00	3.73	10.00	0.00	6.67	0.00	13.33	30
20 LST	55.17	0.00	13.79	3.45	0.00	3.45	3.45	0.00	20.69	29
ALL HRS	55.74	6.56	5.46	4.92	3.28	1.09	3.83	2.19	16.94	183

PERCENTAGE FREQUENCY OF OCCURRENCE OF DAYS WITH

FOG = 0.00, RAIN = 6.45, FOG AND RAIN = 19.35, SNOW = 0.00 OR HAIL = 0.00
FOR 31 DAYS OF OBSERVATIONS

TABLE 1 (CONTD)

AMOS, MOUNT HALEAKALA, MAUI, HAWAII

PERCENTAGE FREQUENCY OF OCCURRENCE OF EIGHTHS OF CLOUD COVER

(g)

NOV 1972

	0	1	2	3	4	5	6	7	8	# OBS
0 LST	75.00	0.00	0.00	3.57	3.57	0.00	7.14	0.00	10.71	28
4 LST	82.14	0.00	0.00	0.00	0.00	3.57	7.14	0.00	7.14	28
8 LST	60.71	7.14	0.00	0.00	3.57	0.00	3.57	3.57	21.43	28
12 LST	60.71	10.71	3.57	0.00	7.14	0.00	0.00	7.14	10.71	28
16 LST	70.37	0.00	0.00	0.00	3.70	0.00	11.11	3.70	11.11	27
20 LST	84.46	0.00	3.85	3.85	0.00	0.00	3.85	0.00	0.00	26
ALL HRS	72.73	3.02	1.21	1.21	3.03	.61	5.45	2.42	10.30	165

PERCENTAGE FREQUENCY OF OCCURRENCE OF DAYS WITH

FOG = 10.71, RAIN = 7.14, FOG AND RAIN = 10.71, SNOW = 0.00 OR HAIL = 0.00

FOR 28 DAYS OF OBSERVATIONS

(h)

DEC 1972

	0	1	2	3	4	5	6	7	8	# OBS
0 LST	57.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	42.86	21
4 LST	57.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	42.86	21
8 LST	50.00	9.09	0.00	0.00	0.00	0.00	0.00	0.00	40.91	22
12 LST	38.10	4.76	4.76	4.76	4.76	4.76	0.00	4.76	33.33	21
16 LST	57.14	0.00	4.76	9.52	4.76	0.00	0.00	0.00	23.81	21
20 LST	50.00	5.00	5.00	5.00	5.00	5.00	5.00	0.00	20.00	20
ALL HRS	51.59	3.17	2.38	3.17	2.38	1.59	.79	.79	34.13	126

PERCENTAGE FREQUENCY OF OCCURRENCE OF DAYS WITH

FOG = 22.73, RAIN = 4.55, FOG AND RAIN = 27.27, SNOW = 0.00 OR HAIL = 0.00

FOR 22 DAYS OF OBSERVATIONS

TABLE 1 (CONTD)

AMOS, MOUNT HALEAKALA, MAUI, HAWAII

PERCENTAGE FREQUENCY OF OCCURRENCE OF EIGHTHS OF CLOUD COVER

(i)

JAN 1973

	0	1	2	3	4	5	6	7	8	# OBS
0 LST	86.67	9.00	6.67	0.00	0.00	3.33	0.00	0.00	3.33	30
4 LST	82.76	0.00	10.34	0.00	3.45	0.00	3.45	0.00	0.00	29
8 LST	73.33	10.00	6.67	0.00	3.33	0.00	0.00	0.00	6.67	30
12 LST	68.97	17.24	3.45	0.00	3.45	0.00	0.00	3.45	3.45	29
16 LST	80.33	0.00	3.33	0.00	0.00	0.00	6.67	3.33	3.33	30
20 LST	79.31	3.45	0.00	3.45	0.00	0.00	10.34	0.00	3.45	29
ALL HRS	79.10	5.08	5.08	.56	1.69	.56	3.39	1.13	3.39	177

PERCENTAGE FREQUENCY OF OCCURRENCE OF DAYS WITH

FOG = 0.00, RAIN = 3.33, FOG AND RAIN = 3.33, SNOW = 0.00 OR HAIL = 0.00

FOR 30 DAYS OF OBSERVATIONS

(j)

FEB 1973

	0	1	2	3	4	5	6	7	8	# OBS
0 LST	85.71	7.14	0.00	0.00	0.00	0.00	3.57	0.00	3.57	28
4 LST	76.92	3.85	7.69	3.85	0.00	0.00	0.00	7.69	0.00	26
8 LST	84.62	0.00	0.00	0.00	3.85	0.00	0.00	0.00	11.54	26
12 LST	80.77	0.00	3.85	0.00	3.85	0.00	0.00	3.85	7.69	26
16 LST	77.78	3.70	3.70	3.70	3.70	0.00	3.70	0.00	3.70	27
20 LST	90.91	0.00	0.00	4.55	4.55	0.00	0.00	0.00	0.00	22
ALL HRS	82.58	2.58	2.58	1.94	2.58	0.00	1.29	1.94	4.52	155

PERCENTAGE FREQUENCY OF OCCURRENCE OF DAYS WITH

FOG = 7.14, RAIN = 0.00, FOG AND RAIN = 3.57, SNOW = 0.00 OR HAIL = 0.00

FOR 28 DAYS OF OBSERVATIONS

AMOS, MOUNT HALEAKALA, MAUI, HAWAII
 PERCENTAGE FREQUENCY OF OCCURRENCE OF EIGHTHS OF CLOUD COVER

(k)
 MAR 1973

	0	1	2	3	4	5	6	7	8	# OBS
0 LST	58.06	0.00	3.23	0.00	3.23	0.00	0.00	0.00	35.48	31
4 LST	54.84	0.00	0.00	3.23	0.00	0.00	3.23	0.00	38.71	31
8 LST	54.84	3.23	6.45	6.45	0.00	0.00	3.23	9.68	16.13	31
12 LST	33.33	3.70	3.70	18.52	11.11	11.11	11.11	0.00	7.41	27
16 LST	36.67	0.00	6.67	6.67	20.00	0.00	13.33	3.33	13.33	30
20 LST	61.29	0.00	6.45	0.00	3.23	6.45	6.45	0.00	16.13	31
ALL HRS	50.28	1.10	4.42	5.52	6.08	2.76	6.08	2.21	21.55	181

PERCENTAGE FREQUENCY OF OCCURRENCE OF DAYS WITH
 FOG = 22.58, RAIN = 0.00, FOG AND RAIN = 25.81, SNOW = 3.23 OR HAIL = 0.00
 FOR 31 DAYS OF OBSERVATIONS

(1)
 APR 1973

	0	1	2	3	4	5	6	7	8	# OBS
0 LST	80.00	0.00	0.00	0.00	3.33	0.00	3.33	0.00	13.33	30
4 LST	86.67	0.00	0.00	0.00	0.00	0.00	3.33	0.00	10.00	30
8 LST	86.67	3.33	0.00	0.00	0.00	6.67	0.00	3.33	0.00	30
12 LST	73.33	6.67	3.33	3.33	6.67	3.33	3.33	0.00	0.00	30
16 LST	80.00	0.00	3.33	3.33	3.33	0.00	3.33	0.00	6.67	30
20 LST	89.29	3.57	0.00	0.00	3.57	3.57	0.00	0.00	0.00	28
ALL HRS	82.58	2.25	1.12	1.12	2.81	2.25	2.25	.56	5.06	178

PERCENTAGE FREQUENCY OF OCCURRENCE OF DAYS WITH
 FOG = 6.67, RAIN = 6.67, FOG AND RAIN = 3.33, SNOW = 0.00 OR HAIL = 0.00
 FOR 30 DAYS OF OBSERVATIONS

TABLE 1 (CONTD)

AMOS, MOUNT HALEAKALA, MAUI, HAWAII

PERCENTAGE FREQUENCY OF OCCURRENCE OF EIGHTHS OF CLOUD COVER

(m)										
MAY 1973										
	0	1	2	3	4	5	6	7	8	# OBS
0 LST	65.52	3.45	3.45	3.45	3.45	6.90	0.00	0.00	13.79	29
4 LST	72.41	0.00	0.00	10.34	0.00	3.45	0.00	0.00	13.79	29
8 LST	62.07	6.90	0.00	0.00	0.00	3.45	10.34	0.00	17.24	29
12 LST	37.93	0.00	10.34	3.45	3.45	6.90	10.34	3.45	24.14	29
16 LST	51.72	3.45	6.90	3.45	10.34	6.90	6.90	0.00	10.34	29
20 LST	82.14	0.00	0.00	3.57	3.57	0.00	3.57	3.57	3.57	28
ALL HRS	61.85	2.31	3.47	4.05	3.47	4.62	5.20	1.16	13.87	173

PERCENTAGE FREQUENCY OF OCCURRENCE OF DAYS WITH

FOG = 27.59, RAIN = 0.00, FOG AND RAIN = 6.90, SNOW = 0.00 OR HAIL = 0.00

FOR 29 DAYS OF OBSERVATIONS

(n)										
JUN 1973										
	0	1	2	3	4	5	6	7	8	# OBS
0 LST	89.66	0.00	0.00	0.00	10.34	0.00	0.00	0.00	0.00	29
4 LST	75.86	0.00	10.34	3.45	3.45	0.00	3.45	0.00	3.45	29
8 LST	68.00	0.00	8.00	4.00	4.00	12.00	4.00	0.00	0.00	25
12 LST	60.00	4.00	12.00	8.00	4.00	8.00	0.00	4.00	0.00	25
16 LST	75.86	0.00	6.90	6.90	3.45	0.00	3.45	0.00	3.45	29
20 LST	89.66	0.00	0.00	6.90	0.00	0.00	3.45	0.00	0.00	29
ALL HRS	77.11	.60	6.02	4.82	4.22	3.01	2.41	.60	1.20	166

PERCENTAGE FREQUENCY OF OCCURRENCE OF DAYS WITH

FOG = 0.00, RAIN = 0.00, FOG AND RAIN = 0.00, SNOW = 0.00 OR HAIL = 0.00

FOR 29 DAYS OF OBSERVATIONS

TABLE 1 (CONTD)

AMOS, MOUNT HALEAKALA, MAUI, HAWAII

PERCENTAGE FREQUENCY OF OCCURRENCE OF EIGHTHS OF CLOUD COVER

(o)
JUL 1973

	0	1	2	3	4	5	6	7	8	# OBS
0 LST	80.95	0.00	0.00	9.52	0.00	0.00	4.76	4.76	0.00	21
4 LST	90.48	0.00	4.76	0.00	4.76	0.00	0.00	0.00	0.00	21
8 LST	90.48	0.00	0.00	0.00	0.00	0.00	4.76	4.76	0.00	21
12 LST	61.90	0.00	9.52	0.00	4.76	0.00	4.76	4.76	14.29	21
16 LST	52.38	0.00	9.52	4.76	4.76	0.00	4.76	0.00	23.81	21
20 LST	95.24	0.00	4.76	0.00	0.00	0.00	0.00	0.00	0.00	21
ALL HRS	76.57	0.00	4.76	2.38	2.38	0.00	3.17	2.38	6.35	126

PERCENTAGE FREQUENCY OF OCCURRENCE OF DAYS WITH

FOG = 23.81, RAIN = 0.00, FOG AND RAIN = 0.00, SNOW = 0.00 OR HAIL = 0.00

FOR 21 DAYS OF OBSERVATIONS

(p)
AUG 1973

	0	1	2	3	4	5	6	7	8	# OBS
0 LST	82.61	0.00	0.00	0.00	4.35	0.00	8.70	0.00	4.35	23
4 LST	78.26	0.00	0.00	8.70	8.70	0.00	4.35	0.00	0.00	23
8 LST	82.61	0.00	0.00	0.00	0.00	0.00	0.00	13.04	4.35	23
12 LST	60.87	4.35	0.00	0.00	8.70	4.35	8.70	8.70	4.35	23
16 LST	52.38	0.00	0.00	0.00	23.81	0.00	4.76	0.00	19.05	21
20 LST	72.22	0.00	0.00	0.00	5.56	0.00	16.67	0.00	5.56	18
ALL HRS	71.76	.76	0.00	1.53	8.40	.76	6.87	3.82	6.11	131

PERCENTAGE FREQUENCY OF OCCURRENCE OF DAYS WITH

FOG = 13.04, RAIN = 0.00, FOG AND RAIN = 4.35, SNOW = 0.00 OR HAIL = 0.00

FOR 23 DAYS OF OBSERVATIONS

TABLE 1 (CONTD)
AMOS, MOUNT HALEAKALA, MAUI, HAWAII
PERCENTAGE FREQUENCY OF OCCURRENCE OF EIGHTHS OF CLOUD COVER

(q) SEP 1973										
	0	1	2	3	4	5	6	7	8	# OBS
0 LST	57.89	0.00	0.00	15.79	5.26	0.00	0.00	0.00	21.05	19
4 LST	63.16	0.00	5.26	10.53	10.53	0.00	5.26	0.00	5.26	19
8 LST	94.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.26	19
12 LST	78.95	5.26	0.00	0.00	5.26	0.00	5.26	0.00	5.26	19
16 LST	55.56	5.56	0.00	11.11	5.56	0.00	0.00	5.56	16.67	18
20 LST	52.94	5.88	11.76	0.00	11.76	0.00	0.00	0.00	17.65	17
ALL HRS	67.57	2.70	2.70	6.31	6.31	0.00	1.80	.90	11.71	111

PERCENTAGE FREQUENCY OF OCCURRENCE OF DAYS WITH
FOG = 21.05, RAIN = 5.26, FOG AND RAIN = 10.53, SNOW = 0.00 OR HAIL = 0.00
FOR 19 DAYS OF OBSERVATIONS

(r) OCT 1973										
	0	1	2	3	4	5	6	7	8	# OBS
0 LST	69.57	0.00	0.00	8.70	4.35	0.00	0.00	0.00	17.39	23
4 LST	65.22	0.00	0.00	8.70	4.35	8.70	0.00	0.00	13.04	23
8 LST	95.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.35	23
12 LST	47.83	13.04	13.04	4.35	0.00	0.00	4.35	8.70	8.70	23
16 LST	50.00	0.00	22.22	0.00	0.00	0.00	0.00	5.56	22.22	18
20 LST	73.33	6.67	6.67	6.67	6.67	0.00	0.00	0.00	0.00	15
ALL HRS	67.20	3.20	6.40	4.80	2.40	1.60	.80	2.40	11.20	125

PERCENTAGE FREQUENCY OF OCCURRENCE OF DAYS WITH
FOG = 17.39, RAIN = 0.00, FOG AND RAIN = 8.70, SNOW = 0.00 OR HAIL = 0.00
FOR 23 DAYS OF OBSERVATIONS

TABLE 1 (CONTD)
AMOS, MOUNT HALEAKALA, MAUI, HAWAII
PERCENTAGE FREQUENCY OF OCCURRENCE OF EIGHTHS OF CLOUD COVER

(s) NOV 1973										
	0	1	2	3	4	5	6	7	8	# OBS
0 LST	21.05	15.79	10.53	10.53	5.26	5.26	10.53	5.26	15.79	19
4 LST	22.22	0.00	0.00	16.67	16.67	11.11	5.56	11.11	16.67	18
8 LST	55.00	5.00	0.00	0.00	0.00	0.00	5.00	5.00	30.00	20
12 LST	15.00	10.00	10.00	0.00	0.00	0.00	5.00	15.00	45.00	20
16 LST	20.00	0.00	5.00	0.00	20.00	0.00	0.00	5.00	50.00	20
20 LST	35.00	5.00	5.00	5.00	0.00	0.00	5.00	5.00	40.00	20
ALL HRS	28.21	5.98	5.13	5.13	6.84	2.56	5.13	7.69	33.33	117

PERCENTAGE FREQUENCY OF OCCURRENCE OF DAYS WITH
FOG = 20.00, RAIN = 0.00, FOG AND RAIN = 30.00, SNOW = 0.00 OR HAIL = 0.00
FOR 20 DAYS OF OBSERVATIONS

(t) DEC 1973										
	0	1	2	3	4	5	6	7	8	# OBS
0 LST	37.50	0.00	25.00	0.00	0.00	0.00	12.50	0.00	25.00	8
4 LST	50.00	12.50	0.00	0.00	0.00	0.00	12.50	0.00	25.00	8
8 LST	71.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.57	7
12 LST	42.86	14.29	0.00	14.29	0.00	0.00	0.00	0.00	28.57	7
16 LST	28.57	0.00	14.29	14.29	0.00	0.00	0.00	0.00	42.86	7
20 LST	50.00	0.00	0.00	0.00	16.67	0.00	0.00	0.00	33.33	6
ALL HRS	46.51	4.65	6.98	4.65	2.33	0.00	4.65	0.00	30.23	43

PERCENTAGE FREQUENCY OF OCCURRENCE OF DAYS WITH
FOG = 12.50, RAIN = 0.00, FOG AND RAIN = 0.00, SNOW = 12.50 OR HAIL = 0.00
FOR 8 DAYS OF OBSERVATIONS

TABLE 1 (CONTD)
AMOS, MOUNT HALEAKALA, MAUI, HAWAII
PERCENTAGE FREQUENCY OF OCCURRENCE OF EIGHTHS OF CLOUD COVER

(u)
JAN 1974

	0	1	2	3	4	5	6	7	8	# OBS
0 LST	31.82	0.00	0.00	0.00	4.55	0.00	0.00	9.09	54.55	22
4 LST	18.18	0.00	0.00	9.09	0.00	4.55	13.64	0.00	54.55	22
8 LST	40.91	4.55	0.00	0.00	9.09	0.00	9.09	4.55	31.82	22
12 LST	27.27	4.55	9.09	9.09	0.00	4.55	0.00	4.55	40.91	22
16 LST	19.05	4.76	9.52	0.00	4.76	0.00	4.76	0.00	57.14	21
20 LST	40.00	0.00	0.00	0.00	0.00	0.00	5.00	0.00	55.00	20
ALL HRS	29.46	2.33	3.10	3.10	3.10	1.55	5.43	3.10	48.84	124

PERCENTAGE FREQUENCY OF OCCURRENCE OF DAYS WITH
FOG = 17.39, RAIN = 0.00, FOG AND RAIN = 52.17, SNOW = 0.00 OR HAIL = 0.00
FOR 23 DAYS OF OBSERVATIONS

(v)
FEB 1974

	0	1	2	3	4	5	6	7	8	# OBS
0 LST	71.43	4.76	0.00	4.76	4.76	0.00	4.76	0.00	9.52	21
4 LST	80.00	0.00	0.00	5.00	5.00	5.00	0.00	0.00	5.00	20
8 LST	95.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.00	20
12 LST	57.89	0.00	5.26	0.00	0.00	0.00	5.26	0.00	31.58	19
16 LST	63.16	0.00	0.00	0.00	5.26	0.00	10.53	0.00	21.05	19
20 LST	82.35	11.76	0.00	0.00	0.00	0.00	5.88	0.00	0.00	17
ALL HRS	75.00	2.59	.86	1.72	2.59	.86	4.31	0.00	12.07	116

PERCENTAGE FREQUENCY OF OCCURRENCE OF DAYS WITH
FOG = 19.05, RAIN = 0.00, FOG AND RAIN = 4.76, SNOW = 0.00 OR HAIL = 0.00
FOR 21 DAYS OF OBSERVATIONS

TABLE 1 (CONTD)
AMOS, MOUNT HALEAKALA, MAUI, HAWAII
PERCENTAGE FREQUENCY OF OCCURRENCE OF EIGHTHS OF CLOUD COVER

(w)										
MAR 1974										
	0	1	2	3	4	5	6	7	8	# OBS
0 LST	50.00	0.00	0.00	0.00	0.00	0.00	5.00	5.00	40.00	20
4 LST	55.00	0.00	0.00	0.00	5.00	0.00	0.00	0.00	40.00	20
8 LST	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.00	20
12 LST	40.00	0.00	5.00	0.00	15.00	0.00	0.00	5.00	35.00	20
16 LST	52.63	0.00	0.00	0.00	5.26	0.00	10.53	5.26	26.32	19
20 LST	63.16	0.00	0.00	0.00	5.26	0.00	0.00	0.00	31.58	19
ALL HRS	51.69	0.00	.85	0.00	5.00	0.00	2.54	2.54	37.29	118

PERCENTAGE FREQUENCY OF OCCURRENCE OF DAYS WITH
FOG = 5.00, RAIN = 0.00, FOG AND RAIN = 40.00, SNOW = 0.00 OR HAIL = 0.00
FOR 20 DAYS OF OBSERVATIONS

(x)										
APR 1974										
	0	1	2	3	4	5	6	7	8	# OBS
0 LST	50.00	0.00	0.00	0.00	4.55	0.00	4.55	0.00	40.91	22
4 LST	40.91	0.00	0.00	0.00	4.55	0.00	4.55	0.00	50.00	22
8 LST	61.90	0.00	0.00	0.00	0.00	0.00	4.76	0.00	33.33	21
12 LST	27.27	13.64	0.00	4.55	4.55	0.00	9.09	13.64	27.27	22
16 LST	33.33	0.00	0.00	0.00	4.76	4.76	0.00	0.00	57.14	21
20 LST	66.67	0.00	0.00	0.00	0.00	0.00	4.76	0.00	28.57	21
ALL HRS	46.51	2.33	0.00	.78	3.10	.78	4.65	2.33	39.53	129

PERCENTAGE FREQUENCY OF OCCURRENCE OF DAYS WITH
FOG = 9.09, RAIN = 4.55, FOG AND RAIN = 45.45, SNOW = 9.09 OR HAIL = 0.00
FOR 22 DAYS OF OBSERVATIONS

TABLE 1 (CONTD)

AMOS, MOUNT HALEAKALA, MAUI, HAWAII

PERCENTAGE FREQUENCY OF OCCURRENCE OF EIGHTHS OF CLOUD COVER

(y) MAY 1974										
	0	1	2	3	4	5	6	7	8	# OBS
0 LST	45.45	0.00	0.00	4.55	13.64	4.55	4.55	0.00	27.27	22
4 LST	36.36	0.00	4.55	0.00	18.18	9.09	9.09	4.55	18.18	22
8 LST	72.73	0.00	0.00	0.00	0.00	0.00	0.00	4.55	22.73	22
12 LST	54.55	0.00	0.00	9.09	4.55	0.00	4.55	4.55	22.73	22
16 LST	28.57	0.00	4.76	4.76	0.00	9.09	9.52	4.76	47.62	21
20 LST	55.00	0.00	0.00	5.00	0.00	5.00	5.00	5.00	25.00	20
ALL HRS	48.84	0.00	1.55	3.88	6.20	3.10	5.43	3.88	27.13	129

PERCENTAGE FREQUENCY OF OCCURRENCE OF DAYS WITH

FOG = 13.64, RAIN = 9.09, FOG AND RAIN = 9.09, SNOW = 0.00 OR HAIL = 0.00

FOR 22 DAYS OF OBSERVATIONS

(z) JUN 1974										
	0	1	2	3	4	5	6	7	8	# OBS
0 LST	66.67	0.00	0.00	6.67	13.33	6.67	0.00	0.00	6.67	15
4 LST	53.33	0.00	0.00	20.00	20.00	0.00	6.67	0.00	0.00	15
8 LST	65.00	0.00	5.00	5.00	0.00	0.00	0.00	15.00	10.00	20
12 LST	38.89	11.11	0.00	5.56	5.56	0.00	11.11	11.11	16.67	18
16 LST	20.00	0.00	5.00	25.00	5.00	5.00	0.00	5.00	35.00	20
20 LST	40.00	5.00	10.00	10.00	10.00	10.00	0.00	0.00	15.00	20
ALL HRS	46.30	2.78	3.70	12.04	8.33	3.70	2.78	5.56	14.81	108

PERCENTAGE FREQUENCY OF OCCURRENCE OF DAYS WITH

FOG = 20.00, RAIN = 5.00, FOG AND RAIN = 0.00, SNOW = 0.00 OR HAIL = 0.00

FOR 20 DAYS OF OBSERVATIONS

TABLE 1 (CONTD)
AMOS, MOUNT HALEAKALA, MAUI, HAWAII

PERCENTAGE FREQUENCY OF OCCURRENCE OF EIGHTHS OF CLOUD COVER

(aa)
JUL 1974

	0	1	2	3	4	5	6	7	8	# OBS
0 LST	63.64	0.00	4.55	18.18	0.00	0.00	0.00	4.55	9.09	22
4 LST	54.55	0.00	4.55	9.09	4.55	9.09	0.00	4.55	13.64	22
8 LST	81.82	0.00	9.09	0.00	0.00	0.00	0.00	0.00	9.09	22
12 LST	63.64	4.55	0.00	9.09	0.00	4.55	4.55	0.00	13.64	22
16 LST	45.45	9.09	0.00	9.09	9.09	4.55	9.09	0.00	13.64	22
20 LST	71.43	4.76	0.00	0.00	9.52	4.76	0.00	4.76	4.76	21
ALL HRS	63.36	3.05	3.05	7.63	3.82	3.82	2.29	2.29	10.69	131

PERCENTAGE FREQUENCY OF OCCURRENCE OF DAYS WITH
FOG = 0.00, RAIN = 9.09, FOG AND RAIN = 9.09, SNOW = 0.00 OR HAIL = 0.00
FOR 22 DAYS OF OBSERVATIONS

(bb)
AUG 1974

	0	1	2	3	4	5	6	7	8	# OBS
0 LST	59.09	4.55	4.55	9.09	4.55	0.00	0.00	9.09	9.09	22
4 LST	59.09	4.55	0.00	9.09	9.09	4.55	0.00	9.09	4.55	22
8 LST	68.18	4.55	4.55	0.00	0.00	0.00	0.00	4.55	9.09	22
12 LST	47.62	4.76	4.76	4.76	14.29	0.00	4.76	0.00	19.05	21
16 LST	22.73	4.55	4.55	4.55	9.09	9.09	18.18	4.55	22.73	22
20 LST	52.38	0.00	0.00	4.76	14.29	4.76	4.76	4.76	14.29	21
ALL HRS	51.54	3.85	3.08	5.38	10.00	3.08	4.62	5.38	13.08	130

PERCENTAGE FREQUENCY OF OCCURRENCE OF DAYS WITH
FOG = 0.00, RAIN = 0.00, FOG AND RAIN = 8.70, SNOW = 0.00 OR HAIL = 0.00
FOR 23 DAYS OF OBSERVATIONS

TABLE 1 (CONTD)
AMOS, MOUNT HALEAKALA, MAUI, HAWAII

PERCENTAGE FREQUENCY OF OCCURRENCE OF EIGHTHS OF CLOUD COVER

(cc) SEP 1974										
	0	1	2	3	4	5	6	7	8	# OBS
0 LST	71.43	0.00	4.76	14.29	4.76	0.00	4.76	0.00	0.00	21
4 LST	57.14	0.00	19.05	0.00	0.00	4.76	4.76	0.00	14.29	21
8 LST	85.00	10.00	5.00	0.00	0.00	0.00	0.00	0.00	0.00	20
12 LST	15.00	0.00	0.00	20.00	5.00	5.00	0.00	10.00	45.00	20
16 LST	20.00	0.00	15.00	0.00	5.00	0.00	10.00	0.00	50.00	20
20 LST	85.00	0.00	5.00	5.00	0.00	0.00	0.00	0.00	5.00	20
ALL HRS	55.74	1.64	8.20	6.56	2.46	1.64	3.28	1.64	18.85	122

PERCENTAGE FREQUENCY OF OCCURRENCE OF DAYS WITH

FOG = 19.05, RAIN = 14.29, FOG AND RAIN = 14.29, SNOW = 0.00 OR HAIL = 0.00
FOR 21 DAYS OF OBSERVATIONS

(dd) OCT 1974										
	0	1	2	3	4	5	6	7	8	# OBS
0 LST	65.22	4.35	8.70	4.35	0.00	0.00	0.00	0.00	17.39	23
4 LST	52.17	0.00	8.70	17.39	8.70	0.00	0.00	4.35	8.70	23
8 LST	82.61	0.00	0.00	4.35	4.35	0.00	0.00	0.00	8.70	23
12 LST	34.78	8.70	13.04	13.04	0.00	4.35	0.00	4.35	21.74	23
16 LST	56.52	4.35	8.70	0.00	4.35	0.00	0.00	4.35	21.74	23
20 LST	65.00	0.00	5.00	5.00	0.00	0.00	0.00	5.00	20.00	20
ALL HRS	59.26	2.96	7.41	7.41	2.96	.74	0.00	2.96	16.30	135

PERCENTAGE FREQUENCY OF OCCURRENCE OF DAYS WITH

FOG = 13.04, RAIN = 4.35, FOG AND RAIN = 8.70, SNOW = 0.00 OR HAIL = 0.00
FOR 23 DAYS OF OBSERVATIONS

TABLE 1 (CONTD)

AMGS, MOUNT HALEAKALA, MAUI, HAWAII

PERCENTAGE FREQUENCY OF OCCURRENCE OF EIGHTHS OF CLOUD COVER

	(ee) NOV 1974									
	0	1	2	3	4	5	6	7	8	# OBS
0 LST	52.63	0.00	0.00	5.26	5.26	0.00	5.26	0.00	31.58	19
4 LST	57.89	0.00	5.26	5.26	5.26	5.26	0.00	0.00	21.35	19
8 LST	68.42	0.00	5.26	5.26	5.26	0.00	0.00	0.00	15.79	19
12 LST	50.00	0.00	5.56	11.11	0.00	5.56	5.56	0.00	22.22	18
16 LST	29.41	0.00	0.00	0.00	17.65	0.00	0.00	0.00	52.94	17
20 LST	62.50	0.00	0.00	6.25	0.00	0.00	0.00	0.00	31.25	16
ALL HRS	53.70	0.00	2.78	5.56	5.56	1.85	1.85	0.00	28.70	108

PERCENTAGE FREQUENCY OF OCCURRENCE OF DAYS WITH

FOG = 5.26, RAIN = 10.53, FOG AND RAIN = 36.84, SNOW = 0.00 OR HAIL = 0.00

FOR 19 DAYS OF OBSERVATIONS

	(ff) DEC 1974									
	0	1	2	3	4	5	6	7	8	# OBS
0 LST	75.00	0.00	8.33	0.00	0.00	0.00	0.00	8.33	8.33	12
4 LST	61.54	0.00	0.00	7.69	0.00	0.00	7.69	0.00	23.08	13
8 LST	92.86	0.00	0.00	0.00	7.14	0.00	0.00	0.00	0.00	14
12 LST	93.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.67	15
16 LST	83.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16.67	12
20 LST	70.00	0.00	0.00	20.00	0.00	0.00	0.00	0.00	10.00	10
ALL HRS	80.26	0.00	1.32	3.95	1.32	0.00	1.32	1.32	10.53	76

PERCENTAGE FREQUENCY OF OCCURRENCE OF DAYS WITH

FOG = 12.50, RAIN = 6.25, FOG AND RAIN = 12.50, SNOW = 0.00 OR HAIL = 0.00

FOR 16 DAYS OF OBSERVATIONS

TABLE 2

AMOS, MOUNT HALEAKALA, MAUI, HAWAII

PERCENTAGE FREQUENCY OF OCCURRENCE OF EIGHTHS OF CLOUD COVER

(a)
JAN 1973 & 1974

	0	1	2	3	4	5	6	7	8	# OBS
0 LST	63.46	0.00	3.85	0.00	1.92	1.92	0.00	3.85	25.00	52
4 LST	54.90	0.00	5.88	3.92	1.96	1.96	7.84	0.00	23.53	51
8 LST	59.62	7.69	3.85	0.00	5.77	0.00	3.85	1.92	17.31	52
12 LST	50.98	11.76	5.88	3.92	1.96	1.96	0.00	3.92	19.61	51
16 LST	56.86	1.96	5.88	0.00	1.96	0.00	5.88	1.96	25.49	51
20 LST	63.27	2.04	0.00	2.04	0.00	0.00	8.16	0.00	24.49	49
ALL HRS	58.17	3.92	4.25	1.63	2.29	.98	4.25	1.96	22.55	306

PERCENTAGE FREQUENCY OF OCCURRENCE OF DAYS WITH

FOG = 7.55, RAIN = 1.83, FOG AND RAIN = 24.53, SNOW = 0.00 OR HAIL = 0.00

FOR 53 DAYS OF OBSERVATIONS

(b)
FEB 1973 & 1974

	0	1	2	3	4	5	6	7	8	# OBS
0 LST	79.59	6.12	0.00	2.04	2.04	0.00	4.08	0.00	6.12	49
4 LST	78.26	2.17	4.35	4.35	2.17	2.17	0.00	4.35	2.17	46
8 LST	89.13	0.00	0.00	0.00	2.17	0.00	0.00	0.00	8.70	46
12 LST	71.11	0.00	4.44	0.00	2.22	0.00	2.22	2.22	17.78	45
16 LST	71.74	2.17	2.17	2.17	4.35	0.00	6.52	0.00	10.87	46
20 LST	87.18	5.13	0.00	2.56	2.56	0.00	2.56	0.00	0.00	39
ALL HRS	79.34	2.58	1.85	1.85	2.58	.37	2.58	1.11	7.75	271

PERCENTAGE FREQUENCY OF OCCURRENCE OF DAYS WITH

FOG = 12.24, RAIN = 0.00, FOG AND RAIN = 4.08, SNOW = 0.00 OR HAIL = 0.00

FOR 49 DAYS OF OBSERVATIONS

TABLE 2 (CONTD)

AMOS, MOUNT HALEAKALA, MAUI, HAWAII

PERCENTAGE FREQUENCY OF OCCURRENCE OF EIGHTHS OF CLOUD COVER

(c)

MAR 1973 & 1974

	0	1	2	3	4	5	6	7	8	# OBS
0 LST	54.90	0.00	1.96	0.00	1.96	0.00	1.96	1.96	37.25	51
4 LST	54.90	0.00	0.00	1.96	1.96	0.00	1.96	0.00	39.22	51
8 LST	52.94	1.96	3.92	3.92	3.00	0.00	1.96	5.88	29.41	51
12 LST	36.17	2.13	4.26	10.64	12.77	6.38	6.38	2.13	19.15	47
16 LST	42.86	0.00	4.08	4.08	14.29	0.00	12.24	4.08	18.37	49
20 LST	62.00	0.00	4.00	0.00	4.00	4.00	4.00	0.00	22.00	50
ALL HRS	50.84	.67	3.01	3.34	5.69	1.67	4.68	2.34	27.76	299

PERCENTAGE FREQUENCY OF OCCURRENCE OF DAYS WITH

FOG = 15.69, RAIN = 0.00, FOG AND RAIN = 31.37, SNOW = 1.96 OR HAIL = 0.00
FOR 51 DAYS OF OBSERVATIONS

(d)

APR 1973 & 1974

	0	1	2	3	4	5	6	7	8	# OBS
0 LST	67.31	0.00	0.00	0.00	3.85	0.00	3.85	0.00	25.00	52
4 LST	67.31	0.00	0.00	0.00	1.92	0.00	3.85	0.00	26.92	52
8 LST	76.47	1.96	0.00	0.00	0.00	3.92	1.96	1.96	13.73	51
12 LST	53.85	9.62	1.92	3.85	5.77	1.92	5.77	5.77	11.54	52
16 LST	60.78	0.00	1.96	1.96	3.92	1.96	1.96	0.00	27.45	51
20 LST	79.59	2.04	0.00	0.00	2.04	2.04	2.04	0.00	12.24	49
ALL HRS	67.43	2.28	.65	.98	2.93	1.63	3.26	1.30	19.54	307

PERCENTAGE FREQUENCY OF OCCURRENCE OF DAYS WITH

FOG = 7.69, RAIN = 5.77, FOG AND RAIN = 21.15, SNOW = 3.85 OR HAIL = 0.00
FOR 52 DAYS OF OBSERVATIONS

TABLE 2 (CONTD)

AMOS, MOUNT HALEAKALA, MAUI, HAWAII

PERCENTAGE FREQUENCY OF OCCURRENCE OF EIGHTHS OF CLOUD COVER

(e)
MAY 1972, 1973 & 1974

	0	1	2	3	4	5	6	7	8	# OBS
0 LST	54.93	1.41	4.23	4.23	8.45	4.23	2.82	4.23	15.49	71
4 LST	54.93	0.00	5.63	7.04	7.04	4.23	5.63	1.41	14.08	71
8 LST	63.93	3.28	3.28	1.64	0.00	1.64	4.92	1.64	19.67	61
12 LST	45.90	1.64	4.92	4.92	4.92	3.28	6.56	3.28	24.59	61
16 LST	41.67	3.33	5.00	5.00	5.00	3.33	6.67	1.67	28.33	60
20 LST	65.67	2.99	2.99	3.97	1.49	4.48	2.99	2.99	10.45	67
ALL HRS	54.73	2.05	4.35	4.86	4.60	3.58	4.86	2.56	18.41	391

PERCENTAGE FREQUENCY OF OCCURRENCE OF DAYS WITH
 FOG = 15.49, RAIN = 4.23, FOG AND RAIN = 5.63, SNOW = 0.00 OR HAIL = 0.00
 FOR 71 DAYS OF OBSERVATIONS

(f)
JUN 1972, 1973 & 1974

	0	1	2	3	4	5	6	7	8	# OBS
0 LST	71.21	0.00	3.03	3.03	10.61	1.52	6.06	1.52	3.03	66
4 LST	60.61	0.00	9.09	7.58	7.58	1.52	7.58	1.52	4.55	66
8 LST	62.69	0.00	5.97	5.97	7.46	4.48	1.49	4.48	7.46	67
12 LST	39.68	6.35	7.94	11.11	6.35	4.76	6.35	4.76	12.70	63
16 LST	45.59	2.94	4.41	10.29	8.82	4.41	1.47	1.47	20.59	68
20 LST	65.67	3.03	3.03	6.06	4.55	3.03	1.52	4.55	7.58	66
ALL HRS	57.83	2.02	5.56	7.32	7.58	3.28	4.04	3.03	9.34	396

PERCENTAGE FREQUENCY OF OCCURRENCE OF DAYS WITH
 FOG = 5.63, RAIN = 2.82, FOG AND RAIN = 1.41, SNOW = 0.00 OR HAIL = 0.00
 FOR 71 DAYS OF OBSERVATIONS

TABLE 2. (CONTD)
AMOS, MOUNT HALEAKALA, MAUI, HAWAII

PERCENTAGE FREQUENCY OF OCCURRENCE OF EIGHTHS OF CLOUD COVER

(g)

JUL 1972, 1973 & 1974

	0	1	2	3	4	5	6	7	8	# OBS
0 LST	69.35	0.00	1.61	14.52	3.23	0.00	1.61	3.23	6.45	62
4 LST	69.35	0.00	4.84	4.84	3.23	4.84	0.00	1.61	11.29	62
8 LST	75.81	4.84	3.23	0.00	3.23	0.00	1.61	1.61	9.68	62
12 LST	45.16	9.68	8.06	4.84	6.45	1.61	4.84	1.61	17.74	62
16 LST	44.26	4.92	6.56	4.92	6.56	3.28	6.56	3.28	19.67	61
20 LST	75.00	1.67	3.33	3.33	3.33	3.33	3.33	3.33	3.33	60
ALL HRS	63.14	3.52	4.61	5.42	4.34	2.17	2.98	2.44	11.38	369

PERCENTAGE FREQUENCY OF OCCURRENCE OF DAYS WITH
FOG = 9.68, RAIN = 4.84, FOG AND RAIN = 4.84, SNOW = 0.00 OR HAIL = 0.00
FOR 62 DAYS OF OBSERVATIONS

(h)

AUG 1972, 1973 & 1974

	0	1	2	3	4	5	6	7	8	# OBS
0 LST	75.00	1.47	1.47	4.41	2.94	0.00	2.94	5.88	5.88	68
4 LST	67.65	1.47	1.47	7.35	7.35	2.94	1.47	5.88	4.41	68
8 LST	73.53	5.88	1.47	0.00	2.94	0.00	0.00	5.88	10.29	68
12 LST	47.76	8.96	1.49	2.99	8.96	1.49	5.97	4.48	17.91	67
16 LST	49.21	1.59	1.59	1.59	11.11	3.17	9.52	3.17	19.05	63
20 LST	67.27	0.00	0.00	3.64	7.27	1.82	7.27	3.64	9.09	55
ALL HRS	63.50	3.34	1.29	3.34	6.66	1.54	4.37	4.88	11.05	369

PERCENTAGE FREQUENCY OF OCCURRENCE OF DAYS WITH
FOG = 5.88, RAIN = 0.00, FOG AND RAIN = 11.59, SNOW = 0.00 OR HAIL = 0.00
FOR 69 DAYS OF OBSERVATIONS

TABLE 2 (CONTD)

AMOS, MOUNT HALEAKALA, MAUI, HAWAII

PERCENTAGE FREQUENCY OF OCCURRENCE OF EIGHTHS OF CLOUD COVER

(i)

SEP 1972, 1973 & 1974

	0	1	2	3	4	5	6	7	8	# OBS
0 LST	71.67	0.00	3.33	10.00	3.33	0.00	1.67	1.67	8.33	60
4 LST	70.00	0.00	10.00	5.00	3.33	1.67	3.33	0.00	6.67	60
8 LST	86.44	3.39	3.39	0.00	1.69	0.00	0.00	1.69	3.39	59
12 LST	45.61	10.53	1.75	7.02	5.26	3.51	1.75	3.51	21.05	57
16 LST	43.10	1.72	6.90	3.45	5.17	0.00	3.45	6.90	29.31	58
20 LST	73.68	3.51	5.26	1.75	3.51	0.00	1.75	1.75	8.77	57
ALL HRS	65.24	3.13	5.13	4.56	3.70	.85	1.99	2.56	12.82	351

PERCENTAGE FREQUENCY OF OCCURRENCE OF DAYS WITH

FOG = 15.00, RAIN = 8.33, FOG AND RAIN = 10.00, SNOW = 0.00 OR HAIL = 0.00

FOR 60 DAYS OF OBSERVATIONS

(j)

OCT 1972, 1973 & 1974

	0	1	2	3	4	5	6	7	8	# OBS
0 LST	70.13	1.30	2.60	3.90	2.60	0.00	0.00	1.30	18.18	77
4 LST	62.34	0.00	2.60	9.09	3.90	3.90	0.00	2.60	15.58	77
8 LST	77.92	3.90	1.30	2.60	3.90	0.00	1.30	1.30	7.79	77
12 LST	36.36	14.29	10.39	11.69	0.00	1.30	5.19	5.19	15.58	77
16 LST	50.70	5.63	12.68	1.41	5.63	0.00	2.82	2.82	18.31	71
20 LST	62.50	1.56	9.38	4.69	1.56	1.56	1.56	1.56	15.63	64
ALL HRS	60.05	4.51	6.32	5.64	2.93	1.13	1.81	2.48	15.12	443

PERCENTAGE FREQUENCY OF OCCURRENCE OF DAYS WITH

FOG = 9.09, RAIN = 3.90, FOG AND RAIN = 12.99, SNOW = 0.00 OR HAIL = 0.00

FOR 77 DAYS OF OBSERVATIONS

TABLE 2 (CONTD)

AMOS, MOUNT HALEAKALA, MAUI, HAWAII

PERCENTAGE FREQUENCY OF OCCURRENCE OF EIGHTHS OF CLOUD COVER

(k)

NOV 1972, 1973 & 1974

	0	1	2	3	4	5	6	7	8	# OBS
0 LST	53.03	4.55	3.03	6.06	4.55	1.52	7.58	1.52	18.18	66
4 LST	58.46	0.00	1.54	6.15	6.15	6.15	4.62	3.08	13.85	65
8 LST	61.19	4.48	1.49	1.49	2.99	0.00	2.99	2.99	22.39	67
12 LST	43.94	7.58	6.06	3.03	3.03	1.52	3.03	7.58	24.24	66
16 LST	43.75	0.00	1.56	0.00	12.50	0.00	4.69	3.13	34.38	64
20 LST	64.52	1.61	3.23	4.84	0.00	0.00	3.23	1.61	20.97	62
ALL HRS	54.10	3.08	2.82	3.59	4.87	1.54	4.36	3.33	22.31	390

PERCENTAGE FREQUENCY OF OCCURRENCE OF DAYS WITH

FOG = 11.94, RAIN = 5.97, FOG AND RAIN = 23.88, SNOW = 0.00 OR HAIL = 0.00

FOR 67 DAYS OF OBSERVATIONS

(1)

DEC 1972, 1973 & 1974

	0	1	2	3	4	5	6	7	8	# OBS
0 LST	58.54	0.00	7.32	0.00	0.00	0.00	2.44	2.44	29.27	41
4 LST	57.14	2.38	0.00	2.38	0.00	0.00	4.76	0.00	33.33	42
8 LST	67.44	4.65	0.00	0.00	2.33	0.00	0.00	0.00	25.58	43
12 LST	58.14	4.65	2.33	4.65	2.33	2.33	0.00	2.33	23.26	43
16 LST	60.00	0.00	5.00	7.50	2.50	0.00	0.00	0.00	25.00	40
20 LST	55.56	2.78	2.78	4.33	5.56	2.78	2.78	0.00	19.44	36
ALL HRS	59.59	2.45	2.86	3.67	2.04	.82	1.63	.82	26.12	245

PERCENTAGE FREQUENCY OF OCCURRENCE OF DAYS WITH

FOG = 17.39, RAIN = 4.35, FOG AND RAIN = 17.39, SNOW = 2.17 OR HAIL = 0.00

FOR 46 DAYS OF OBSERVATIONS

SECTION III
ANNUAL CLOUD COVER SUMMARIES

The entries of "ALL HRS" in Table 1 for the twelve months in the years of 1973 and 1974 are presented in Table 3(a) and Table 3(b), respectively. Also given is the annual cloud cover statistics. The percentage frequency of occurrence of weather events are given the same as in Table 1, except on an annual basis, rather than on a monthly basis.

Table 3(c) gives the same information as Table 3(a) and Table 3(b), however it is for the entire 32 month period.

Table 4 gives the estimated percent probabilities of cloud-free line-of-sight (CFLOS). These CFLOS data were computed using a model developed by Iver Lund^{2,3} of the Air Force Cambridge Research Laboratories. Lund's model for eighths of cloud cover is given in Table 5, it makes no distinction between cloud types, it was received by the author from Mr. Lund on 4 September 1974.

The results for an elevation angle of 50 degrees are given in Table 4. As can be seen by Table 5, there is little difference

in CFLOS for ± 20 degrees about the viewing elevation angle of 50 degrees. An increase in elevation angle will give an increase in percent probability of CFLOS and vice versa.

Table 4(a) and Table 4(b) give the estimated percent probabilities of CFLOS for 1973 and 1974, respectively. The data is separated by observation times for the months of the year, as well as averaged values for each observation time and each month.

Table 4(c) gives the same information as Table 4(a) and Table 4(b), however it is for the entire 32 month period.

As mentioned in Section I, the information presented in this report only gives an indication of the cloud climatology, due to short period of observation. This is evidenced in the variability of the CFLOS data for Table 4(a), Table 4(b) and Table 4(c).

TABLE 3 (a)
AMOS, MOUNT HALEAKALA, MAUI, HAWAII
PERCENTAGE FREQUENCY OF OCCURRENCE OF EIGHTHS OF CLOUD COVER
ALL HOURS - 1973

	0	1	2	3	4	5	6	7	8	# OBS
JAN	79.10	5.08	5.08	.56	1.69	.56	3.39	1.13	3.39	177
FEB	82.58	2.58	2.58	1.94	2.58	0.00	1.29	1.94	4.52	155
MAR	50.28	1.10	4.42	5.52	6.08	2.76	6.08	2.21	21.55	181
APR	82.58	2.25	1.12	1.12	2.81	2.25	2.25	.56	5.06	178
MAY	61.85	2.31	3.47	4.05	3.47	4.62	5.20	1.16	13.87	173
JUN	77.11	.60	6.02	4.82	4.22	3.01	2.41	.60	1.20	166
JUL	78.57	0.00	4.76	2.38	2.38	0.00	3.17	2.38	6.35	126
AUG	71.76	.76	0.00	1.53	8.40	.76	6.87	3.82	6.11	131
SEP	67.57	2.70	2.70	6.31	6.31	0.00	1.80	.90	11.71	111
OCT	67.20	3.20	6.40	4.80	2.40	1.60	.80	2.40	11.20	125
NOV	28.21	5.98	5.13	5.13	6.84	2.56	5.13	7.69	33.33	117
DEC	46.51	4.65	6.98	4.65	2.33	0.00	4.65	0.00	30.23	43
ANN	68.09	2.44	3.86	3.39	4.10	1.72	3.57	2.02	10.81	1683

PERCENTAGE FREQUENCY OF OCCURRENCE OF DAYS WITH
FOG = 13.75, RAIN = 1.37, FOG AND RAIN = 8.25, SNOW = .69 OR HAIL = 0.00
FOR 291 DAYS OF OBSERVATIONS

TABLE 3 (b)
AMOS, MOUNT HALEAKALA, MAUI, HAWAII
PERCENTAGE FREQUENCY OF OCCURRENCE OF EIGHTHS OF CLOUD COVER
ALL HOURS - 1974

	0	1	2	3	4	5	6	7	8	# OBS
JAN	29.46	2.33	3.10	3.10	3.10	1.55	5.43	3.10	48.84	129
FEB	75.00	2.59	.86	1.72	2.59	.86	4.31	0.00	12.07	116
MAR	51.69	0.00	.85	0.00	5.08	0.00	2.54	2.54	37.29	118
APR	46.51	2.33	0.00	.78	3.10	.78	4.65	2.33	39.53	129
MAY	48.84	0.00	1.55	3.88	6.20	3.11	5.43	3.88	27.13	129
JUN	46.30	2.78	3.70	12.04	8.33	3.70	2.78	5.56	14.81	108
JUL	63.36	3.05	3.05	7.63	3.22	3.82	2.29	2.29	10.69	131
AUG	51.54	3.85	3.08	5.38	10.00	3.08	4.62	5.38	13.08	130
SEP	55.74	1.64	8.20	6.56	2.46	1.64	3.28	1.64	18.85	122
OCT	59.26	2.96	7.41	7.41	2.96	.74	0.00	2.96	16.30	135
NOV	53.70	0.00	2.78	5.56	5.56	1.85	1.85	0.00	28.70	108
DEC	80.26	0.00	1.32	3.95	1.32	0.00	1.32	1.32	10.53	76
ANN	54.23	1.89	3.07	4.92	4.61	1.82	3.28	2.66	23.62	1431

PERCENTAGE FREQUENCY OF OCCURRENCE OF DAYS WITH
FOG = 11.11, RAIN = 5.16, FOG AND RAIN = 20.24, SNOW = .79 OR HAIL = 0.00
FOR 252 DAYS OF OBSERVATIONS

TABLE 3 (c)
AMOS, MOUNT HALEAKALA, MAUI, HAWAII
PERCENTAGE FREQUENCY OF OCCURRENCE OF EIGHTHS OF CLOUD COVER
ALL HOURS, MAY 1972 - DEC 1974

	0	1	2	3	4	5	6	7	8	# OBS
JAN	58.17	3.92	4.25	1.63	2.29	.98	4.25	1.96	22.55	306
FEB	79.34	2.58	1.85	1.85	2.58	.37	2.58	1.11	7.75	271
MAR	50.84	.67	3.01	3.34	5.69	1.67	4.68	2.34	27.76	299
APR	67.43	2.28	.65	.98	2.93	1.63	3.26	1.33	19.54	307
MAY	54.73	2.05	4.35	4.86	4.60	3.58	4.86	2.56	18.41	391
JUN	57.83	2.02	5.56	7.32	7.53	3.23	4.04	3.03	9.34	396
JUL	63.14	3.52	4.61	5.42	4.34	2.17	2.98	2.44	11.38	369
AUG	63.50	3.34	1.29	3.34	6.68	1.54	4.37	4.88	11.05	389
SEP	65.24	3.13	5.13	4.56	3.70	.85	1.99	2.56	12.82	351
OCT	60.05	4.51	6.32	5.64	2.93	1.13	1.81	2.48	15.12	443
NOV	54.10	3.08	2.82	3.59	4.97	1.54	4.36	3.33	22.31	390
DEC	59.59	2.45	2.86	3.67	2.04	.82	1.63	.82	26.12	245
ANN	60.79	2.86	3.70	4.04	4.33	1.71	3.44	2.53	16.60	4157

PERCENTAGE FREQUENCY OF OCCURRENCE OF DAYS WITH
FOG = 10.85, RAIN = 3.57, FOG AND RAIN = 13.46, SNOW = .55 OR HAIL = 0.00
FOR 728 DAYS OF OBSERVATIONS

TABLE 4 (a)

AMOS, MOUNT HALEAKALA, MAUI, HAWAII

ESTIMATED PERCENT PROBABILITIES OF CLOUD-FREE LINE-OF-SIGHT - 1973

VIEWING ELEVATION ANGLE = 50 DEGREES

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
0 LST (# OBS)	93.97 (30)	93.71 (28)	65.48 (31)	84.43 (30)	81.86 (29)	96.31 (29)	91.90 (21)	89.83 (23)	75.63 (19)	80.48 (23)	69.00 (19)	67.37 (8)	83.82 (290)
4 LST (# OBS)	95.24 (29)	92.12 (26)	61.68 (31)	88.33 (30)	83.34 (29)	91.48 (29)	97.19 (21)	93.13 (23)	86.47 (19)	81.30 (23)	62.56 (18)	69.75 (8)	84.51 (286)
8 LST (# OBS)	90.77 (30)	87.50 (26)	74.32 (31)	94.23 (30)	76.86 (29)	90.08 (25)	93.62 (21)	86.43 (23)	94.21 (19)	95.04 (23)	65.80 (20)	73.00 (7)	85.80 (284)
12 LST (# OBS)	91.41 (29)	88.00 (26)	76.19 (27)	93.17 (30)	64.66 (29)	89.36 (25)	78.24 (21)	81.17 (23)	90.11 (19)	80.30 (23)	44.10 (20)	69.71 (7)	80.07 (279)
16 LST (# OBS)	90.23 (30)	91.63 (27)	71.20 (30)	89.50 (30)	79.55 (29)	91.28 (29)	71.86 (21)	73.24 (21)	76.44 (18)	72.44 (18)	44.40 (20)	55.71 (7)	78.43 (280)
20 LST (# OBS)	90.21 (29)	97.00 (22)	77.35 (31)	96.61 (28)	90.14 (28)	96.14 (29)	98.43 (21)	84.67 (18)	78.18 (17)	94.93 (15)	55.20 (20)	64.33 (6)	87.12 (264)
ALL HRS (# OBS)	91.97 (177)	91.55 (155)	70.92 (181)	90.98 (178)	79.34 (173)	92.57 (166)	88.54 (126)	84.92 (131)	83.67 (111)	83.86 (125)	56.64 (117)	66.79 (43)	83.27 (1683)

TABLE 4 (b)
AMOS, MOUNT HALEAKALA, MAUI, HAWAII
ESTIMATED PERCENT PROBABILITIES OF CLOUD-FREE LINE-OF-SIGHT - 1974
VIEWING ELEVATION ANGLE = 50 DEGREES

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
0 LST (# OBS)	42.14 (22)	85.76 (21)	56.95 (20)	58.45 (22)	66.05 (22)	85.87 (15)	83.91 (22)	81.14 (22)	92.38 (21)	81.13 (23)	65.47 (19)	84.92 (12)	73.01 (241)
4 LST (# OBS)	39.68 (22)	90.45 (20)	61.30 (20)	52.18 (22)	66.64 (22)	87.07 (15)	76.95 (22)	83.00 (22)	79.76 (21)	81.78 (23)	75.00 (19)	73.00 (13)	71.51 (241)
8 LST (# OBS)	60.18 (22)	94.45 (20)	53.50 (20)	66.47 (21)	75.32 (22)	78.55 (20)	89.64 (22)	84.59 (22)	97.90 (20)	89.17 (23)	81.68 (19)	97.14 (14)	80.24 (245)
12 LST (# OBS)	54.18 (22)	67.16 (19)	59.35 (20)	58.23 (22)	70.36 (22)	68.28 (18)	80.95 (22)	74.05 (21)	44.75 (20)	70.43 (23)	71.50 (14)	92.93 (15)	67.13 (242)
16 LST (# OBS)	42.14 (21)	73.53 (19)	65.26 (19)	44.15 (21)	46.62 (21)	55.65 (20)	75.23 (22)	59.55 (22)	45.70 (20)	73.96 (23)	46.24 (17)	83.83 (12)	58.79 (237)
20 LST (# OBS)	46.60 (20)	95.65 (17)	68.89 (19)	70.76 (21)	67.90 (20)	75.90 (20)	87.10 (21)	74.33 (21)	52.95 (20)	76.00 (20)	69.44 (16)	86.30 (10)	75.43 (225)
ALL MRS (# OBS)	47.55 (129)	84.47 (116)	60.77 (118)	57.96 (129)	65.59 (129)	74.30 (108)	82.43 (131)	76.14 (130)	75.75 (122)	78.81 (135)	68.56 (108)	86.72 (76)	71.03 (1431)

TABLE 4 (c)

AMOS, MOUNT HALEAKALA, MAUI, HAWAII

ESTIMATED PERCENT PROBABILITIES OF CLOUD-FREE LINE-OF-SIGHT, MAY 1972 - DEC 1974

VIEWING ELEVATION ANGLE = 50 DEGREES

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
0 LST (# OBS)	72.06 (52)	90.31 (49)	62.14 (51)	73.44 (52)	75.73 (71)	88.18 (66)	86.60 (62)	86.57 (68)	86.47 (60)	79.84 (77)	74.48 (66)	68.73 (41)	79.28 (715)
4 LST (# OBS)	71.27 (51)	91.39 (46)	61.53 (51)	72.19 (52)	77.31 (71)	85.33 (66)	83.63 (62)	85.87 (68)	87.86 (60)	78.74 (77)	77.09 (65)	65.88 (42)	78.74 (711)
8 LST (# OBS)	77.83 (52)	90.52 (46)	66.16 (51)	70.78 (51)	76.26 (61)	83.21 (67)	86.90 (62)	84.51 (68)	93.78 (59)	88.61 (77)	73.81 (67)	74.88 (43)	81.95 (704)
12 LST (# OBS)	75.35 (51)	79.20 (45)	69.02 (47)	78.38 (52)	67.36 (61)	74.68 (63)	74.94 (62)	72.91 (67)	72.07 (57)	74.42 (77)	67.53 (66)	73.51 (43)	73.12 (691)
16 LST (# OBS)	70.43 (51)	84.15 (46)	68.90 (49)	70.78 (51)	64.82 (60)	72.19 (68)	71.05 (61)	70.51 (63)	63.28 (58)	75.63 (71)	60.02 (64)	73.65 (40)	70.16 (582)
20 LST (# OBS)	72.41 (49)	96.41 (39)	74.14 (50)	85.53 (49)	82.54 (67)	84.52 (66)	89.05 (60)	81.71 (55)	87.00 (57)	80.00 (64)	76.00 (62)	75.58 (36)	82.05 (654)
ALL HRS (# OBS)	73.24 (306)	88.52 (271)	66.92 (299)	77.11 (307)	74.29 (391)	81.36 (396)	82.02 (369)	80.45 (389)	81.84 (351)	79.58 (443)	71.49 (390)	71.97 (245)	77.56 (4157)

TABLE 5

PROBABILITIES OF CLOUD-FREE LINES-OF-SIGHT
AS A FUNCTION OF ELEVATION ANGLE AND
OBSERVED TOTAL SKY COVER, C (\approx K)

ELEV ANGLE α	K, SKY COVER (EIGHTHS)								
	0	1	2	3	4	5	6	7	8
90	1.00	.96	.89	.83	.77	.68	.55	.35	.08
80	.99	.96	.89	.82	.77	.67	.55	.35	.08
70	.99	.96	.88	.82	.76	.66	.54	.35	.08
60	.99	.95	.88	.82	.75	.65	.53	.34	.08
50	.99	.94	.87	.81	.73	.63	.52	.33	.08
40	.99	.93	.86	.78	.71	.60	.48	.32	.07
30	.98	.92	.83	.75	.66	.55	.43	.28	.06
20	.98	.88	.78	.68	.59	.48	.37	.24	.05
10	.97	.84	.72	.58	.47	.38	.28	.17	.03

APPENDIX

Table 6 is the weather data for 32 months. The column headings are; YR = year, JD = julian date, OT = observation time in local standard time (LST), CC = cloud cover in eighths coverage, WIND = wind direction in tens of degrees and wind speed in mph, RH = relative humidity and WX = weather during a JD where -0 = no weather, 1 = fog, 2 = rain, 3 = fog and rain during the same day, 4 = snow and 5 = hail. Missing data is depicted by CC = 9, WIND = 9999 and/or RH = 99. RH = 0 implies 100 percent relative humidity.

The wind direction conversion is as follows:

<u>Direction</u>	<u>Tens of Degrees</u>	<u>Direction</u>	<u>Tens of Degrees</u>
N	00	S	18
NNE	02	SSW	20
NE	05	SW	23
ENE	07	WSW	25
E	09	W	27
ESE	11	WNW	29
SE	14	NW	32
SSE	16	NNW	34

The computer also suppresses any leading 0's. For example, on julian date 23, 1973, Table 6(a), OT = 4, the wind of 8 implies a north wind at 8 mph.

TABLE 6 (a)

AMOS, MOUNT HALEAKALA, MAUI, HAWAII

WEATHER DATA FOR JAN

YR	JD	OT	CC	WIND	RH	OT	CC	WIND	RH	OT	CC	WIND	RH	OT	CC	WIND	RH	OT	CC	WIND	RH	OT	CC	WIND	RH	WX
73	2	0	0	2318	44	4	9	9999	99	8	0	1416	23	12	0	1415	35	16	0	1616	43	20	0	1808	70	-0
73	3	0	0	1856	72	4	0	1809	50	8	4	1134	60	12	1	1110	50	16	6	922	38	20	3	928	52	-0
73	4	0	2	925	52	4	6	1122	70	8	1	1410	10	12	7	1806	15	16	6	2764	11	20	5	2307	10	-0
73	5	0	0	2012	12	4	4	2715	43	8	1	1110	10	12	1	2004	15	16	0	0	13	20	6	0	12	-0
73	6	0	5	918	14	4	0	1615	18	8	8	3218	64	12	8	3218	98	16	8	3203	70	20	8	3208	68	3
73	7	0	8	906	0	4	3	1108	40	8	0	1108	44	12	4	0	50	16	7	1405	66	20	5	1809	68	2
73	8	0	0	1615	69	4	0	203	36	8	0	1608	51	12	1	1610	48	16	0	1806	49	20	3	2305	31	-0
73	9	0	0	2303	31	4	1	2703	28	8	1	2707	16	12	1	2008	33	16	0	2303	18	20	3	2313	15	-0
73	10	0	0	2311	20	4	0	2020	44	8	0	2512	20	12	0	2512	17	16	0	2320	21	20	0	2720	22	-0
73	11	0	0	2312	24	4	0	2111	26	8	1	2510	27	12	0	2315	33	16	0	2320	40	20	1	2722	50	-0
73	12	0	0	2320	25	4	2	2016	27	8	0	2520	25	12	0	2920	45	16	0	2719	47	20	0	3229	36	-0
73	13	0	0	3220	33	4	2	3220	30	8	0	3220	42	12	9	9999	99	16	0	3210	37	20	0	3220	40	-0
73	14	0	0	3420	39	4	0	20	47	8	0	15	65	12	0	210	67	16	0	510	72	20	0	418	70	-0
73	15	0	0	515	69	4	1	210	63	8	0	7	23	12	0	532	43	16	0	0	43	20	0	0	38	-0
73	16	0	0	202	37	4	0	1102	38	8	0	3202	19	12	0	3408	28	16	0	16	22	20	0	216	19	-0
73	17	0	0	916	8	4	0	1112	9	8	0	908	24	12	0	1804	24	16	0	1406	31	20	0	1406	20	-0
73	18	0	0	1107	13	4	0	924	99	8	2	920	26	12	1	1120	35	16	0	1810	41	20	0	1406	43	-0
73	19	0	0	710	11	4	0	921	13	8	2	1120	13	12	0	1608	32	16	0	519	29	20	0	920	31	-0
73	20	0	0	1132	14	4	2	1130	14	8	0	516	20	12	2	910	25	16	2	1412	30	20	0	1410	26	-0
73	21	0	0	2505	21	4	0	2502	10	8	0	0	10	12	0	0	10	16	0	8	12	20	9	9999	99	-0
73	22	0	0	210	28	4	0	505	7	8	0	510	5	12	0	1808	8	16	0	0	12	20	0	405	5	-0
73	23	0	0	10	10	4	0	8	8	8	0	214	6	12	0	512	7	16	0	513	5	20	0	422	7	-0
73	24	0	0	230	8	4	0	224	8	8	0	220	27	12	0	520	28	16	0	922	31	20	0	920	32	-0
73	25	0	0	924	30	4	0	720	27	8	0	518	27	12	0	212	24	16	0	512	28	20	0	518	12	-0
73	26	0	0	10	10	4	0	710	9	8	0	510	11	12	0	3204	25	16	0	0	19	20	0	520	12	-0
73	27	0	2	220	22	4	0	18	40	8	0	504	16	12	0	10	21	16	0	520	19	20	0	909	22	-0
73	28	0	0	510	19	4	0	514	8	8	0	510	9	12	0	706	8	16	0	519	10	20	0	510	7	-0
73	29	0	0	908	18	4	0	510	38	8	0	511	16	12	0	910	20	16	0	2001	30	20	0	908	15	-0
73	30	0	0	1110	17	4	0	1110	17	8	0	906	6	12	0	2704	20	16	0	902	15	20	0	0	10	-0
73	31	0	0	0	8	4	0	3202	6	8	0	0	5	12	0	0	19	16	0	0	36	20	0	0	29	-0
74	2	0	9	9999	99	4	9	9999	99	8	0	1406	48	12	0	1408	58	16	8	9999	98	20	6	9999	79	1
74	3	0	8	9999	82	4	3	0	70	8	4	1402	71	12	5	1403	88	16	8	9999	98	20	8	9999	98	3
74	4	0	8	9999	90	4	8	9999	98	8	8	0	86	12	8	0	85	16	8	9999	98	20	8	9999	98	3
74	7	0	8	9999	98	4	8	9999	98	8	8	2335	88	12	1	2335	86	16	8	9999	98	20	8	9999	98	3
74	8	0	8	9999	98	4	8	9999	98	8	6	2308	80	12	2	2312	70	16	2	9999	70	20	8	9999	98	3
74	9	0	8	9999	98	4	8	9999	98	8	8	2315	82	12	8	2314	88	16	8	9999	99	20	8	9999	85	3
74	10	0	8	9999	85	4	6	9999	72	8	1	2308	68	12	3	2308	68	16	6	9999	74	20	0	9999	69	-0
74	11	0	7	9999	62	4	8	9999	75	8	7	2312	76	12	7	2311	74	16	4	9999	68	20	8	9999	63	-0
74	14	0	7	9999	60	4	8	9999	98	8	8	2320	68	12	8	3220	69	16	8	9999	98	20	8	9999	98	3
74	15	0	8	9999	98	4	8	9999	98	8	8	2312	86	12	8	2308	88	16	8	9999	98	20	8	9999	98	3
74	16	0	4	9999	90	4	6	9999	93	8	0	2304	78	12	1	2303	76	16	0	9999	72	20	0	9999	69	-0
74	17	0	0	9999	78	4	0	9999	70	8	0	0	77	12	0	0	72	16	9	9999	99	20	9	9999	99	-0
74	18	0	0	9999	75	4	8	9999	98	8	0	2305	67	12	0	2306	61	16	1	0	68	20	9	9999	99	3
74	21	0	0	9999	62	4	0	9999	60	8	0	503	57	12	2	503	54	16	2	9999	50	20	0	9999	57	-0
74	22	0	0	9999	56	4	0	9999	60	8	0	503	74	12	0	503	78	16	0	9999	72	20	0	9999	67	-0
74	23	0	0	9999	64	4	8	9999	79	8	0	520	68	12	0	515	85	16	8	9999	98	20	8	9999	98	3
74	24	0	8	9999	98	4	8	9999	98	8	6	520	78	12	0	506	82	16	0	9999	74	20	0	9999	69	3
74	25	0	0	9999	68	4	0	9999	60	8	0	0	64	12	3	0	68	16	8	9999	98	20	0	9999	68	1
74	27	0	8	9999	98	4	5	9999	70	8	9	9999	99	12	9	9999	99	16	9	9999	99	20	9	9999	99	-0
74	28	0	8	9999	80	4	3	9999	75	8	8	2312	78	12	8	1408	78	16	8	9999	98	20	8	9999	98	1
74	29	0	8	9999	74	4	6	9999	71	8	0	506	78	12	8	0	86	16	0	9999	80	20	0	9999	75	1
74	30	0	0	9999	83	4	8	9999	87	8	4	503	73	12	8	0	79	16	8	9999	98	20	8	9999	98	3
74	31	0	8	9999	98	4	8	9999	98	8	8	0	82	12	8	0	83	16	8	9999	98	20	0	9999	82	3

TABLE 6 (b)

AMOS, MOUNT HALEAKALA, MAUI, HAWAII

WEATHER DATA FOR PER

YR	JD	OT	CC	WIND	RH	OT	CC	WIND	RH	OT	CC	WIND	RH	OT	CC	WIND	RH	OT	CC	WIND	RH	OT	CC	WIND	RH	WX
73	32	0	0	0	9	4	0	710	8	2	0	510	19	12	0	504	16	16	0	510	12	20	0	520	99	-0
73	33	0	0	720	13	4	0	1114	13	11	0	514	10	12	0	510	15	16	0	0	20	20	0	2710	23	-0
73	34	0	0	3211	31	4	2	518	40	8	9	9999	99	12	9	9999	99	13	0	0	24	20	0	510	22	1
73	35	0	0	9999	99	4	9	9999	99	8	9	9999	99	12	9	9999	99	16	0	3211	33	20	0	510	29	-0
73	36	0	0	1810	33	4	0	1808	38	8	0	1808	32	12	0	1806	30	16	1	902	14	20	9	9999	99	-0
73	37	0	0	506	21	4	0	510	43	8	0	0	0	12	0	513	6	16	0	510	8	20	9	9999	99	-0
73	38	0	0	711	8	4	0	1105	6	8	0	502	27	12	2	2	45	16	0	0	42	20	0	525	21	-0
73	39	0	0	719	25	4	0	519	28	8	0	520	33	12	0	510	50	16	4	528	56	20	3	528	48	1
73	40	0	0	738	58	4	7	730	86	8	8	924	99	12	0	918	47	16	0	512	42	20	0	9999	99	3
73	41	0	0	730	37	4	0	730	35	8	0	524	46	12	0	530	48	16	0	528	39	20	9	9999	99	-0
73	42	0	0	525	17	4	0	509	15	8	0	518	37	12	0	720	99	16	0	920	37	20	0	918	34	-0
73	43	0	0	2312	7	4	0	2710	8	8	0	2512	10	12	0	2710	15	16	9	9999	99	20	9	9999	99	-0
73	44	0	0	15	17	4	0	720	32	8	0	726	8	12	0	918	38	16	0	1612	24	20	0	1413	13	-0
73	45	0	0	1410	15	4	0	1410	8	8	0	1406	10	12	0	1410	7	16	0	1414	9	20	0	1420	12	-0
73	46	0	0	2012	13	4	0	2312	99	8	0	1410	9	12	0	1410	10	16	0	1810	11	20	9	9999	99	-0
73	47	0	0	0	99	4	0	1406	2	8	0	1409	5	12	0	506	8	16	0	0	12	20	0	0	13	-0
73	48	0	0	507	18	4	0	710	22	8	0	1404	4	12	0	510	6	16	0	910	8	20	0	919	12	-0
73	49	0	0	1417	10	4	0	920	40	8	0	904	5	12	0	0	5	16	0	509	7	20	0	909	8	-0
73	50	0	0	1108	14	4	0	1110	10	8	0	1610	8	12	0	1806	12	16	0	1613	6	20	9	9999	99	-0
73	51	0	0	1820	14	4	9	9999	99	8	0	2309	15	12	0	18	40	16	8	16	60	20	4	20	53	-0
73	52	0	1	35	53	4	0	40	40	8	0	224	33	12	9	14	38	16	0	510	38	20	0	11	10	-0
73	53	0	0	10	14	4	3	3418	22	8	8	18	28	12	7	11	32	16	2	13	29	20	0	20	31	-0
73	54	0	1	203	32	4	1	7	25	8	0	4	27	12	4	8	40	16	0	0	37	20	0	4	36	-0
73	55	0	0	14	39	4	2	8	38	8	0	0	40	12	8	0	48	16	0	2710	43	20	0	8	40	-0
73	56	0	0	512	64	4	7	516	71	8	4	2308	43	12	8	1404	47	16	6	0	39	20	0	2711	38	-0
73	57	0	0	3201	30	4	0	3408	40	8	0	1406	30	12	0	1808	38	16	0	2311	35	20	0	2014	29	-0
73	58	0	0	2904	42	4	0	0	36	8	0	2510	14	12	0	2309	25	16	0	2302	32	20	0	3208	23	-0
73	59	0	0	0	18	4	0	3206	19	8	0	3206	9	12	0	0	15	16	0	0	17	20	0	0	20	-0
74	32	0	3	9999	98	4	8	9999	76	8	9	9979	99	12	9	9999	99	16	0	9999	65	20	0	9999	59	-0
74	33	0	4	9999	73	4	3	9999	61	8	0	0	82	12	8	0	88	16	4	9999	77	20	1	9999	71	1
74	34	0	1	9999	68	4	0	9979	63	8	0	0	62	12	8	0	81	16	8	9999	77	20	0	9999	69	-0
74	37	0	0	9999	62	4	0	9999	50	8	0	0	82	12	8	0	88	16	8	9999	84	20	0	9999	78	-0
74	38	0	0	9999	69	4	0	9999	66	8	0	506	68	12	8	506	76	16	9	9999	99	20	9	9999	99	-0
74	39	0	8	9999	98	4	8	9999	98	8	8	512	82	12	8	513	84	16	9	9999	99	20	9	9999	99	3
74	42	0	4	9999	85	4	0	9999	79	8	0	508	78	12	0	508	76	16	0	510	65	20	9	9999	99	-0
74	43	0	0	9999	64	4	0	9999	63	8	0	503	69	12	0	503	64	16	6	9999	65	20	0	9999	60	1
74	44	0	0	9999	60	4	0	9999	56	8	0	503	58	12	0	508	56	16	0	510	53	20	0	506	58	-0
74	45	0	0	9999	56	4	0	9999	48	8	0	0	35	12	0	0	52	16	0	0	42	20	0	9999	51	-0
74	46	0	0	9999	54	4	0	9999	56	8	0	1410	55	12	0	1426	52	16	6	1623	32	20	0	1625	38	-0
74	49	0	0	9999	41	4	0	9999	40	8	0	1624	42	12	0	1622	12	16	0	1620	35	20	0	1420	33	-0
74	50	0	0	9999	38	4	0	9999	44	8	0	2908	25	12	0	3406	33	16	0	3203	35	20	0	0	40	-0
74	51	0	0	9999	37	4	0	9999	37	8	0	0	18	12	0	0	22	16	0	1805	65	20	1	1405	56	-0
74	52	0	0	9999	50	4	0	9999	50	8	0	1605	65	12	2	504	58	16	0	905	58	20	0	1410	50	-0
74	53	0	0	9999	47	4	0	9999	53	8	0	1112	58	12	9	9999	99	16	0	1605	33	20	0	0	30	-0
74	56	0	8	1123	98	4	4	1130	84	8	0	1123	64	12	0	1124	55	16	0	1128	52	20	9	9999	99	1
74	57	0	0	1130	64	4	9	1620	98	8	0	1120	54	12	0	1416	53	16	0	1418	53	20	0	1418	45	-0
74	58	0	0	1420	49	4	0	1116	55	8	0	908	54	12	6	1404	55	16	8	708	40	20	6	517	58	-0
74	59	0	0	910	62	4	5	908	40	8	0	708	31	12	0	8	43	16	0	7	60	20	0	10	30	-0
74	60	0	0	235	33	4	0	0	38	8	0	0	22	12	8	0	64	16	0	6	64	20	0	3205	63	1

TABLE 6 (c)
AMOS, MOUNT HALEAKALA, MAUI, HAWAII

WEATHER DATA FOR MAR

YR	JD	OT	CC	WIND	RH	OT	CC	WIND	RH	OT	CC	WIND	RH	OT	CC	WIND	RH	OT	CC	WIND	RH	OT	CC	WIND	RH	WX
73	60	0	0	2906	25	4	3	0	99	8	0	6	30	12	4	3204	38	16	0	910	42	23	0	910	27	-0
73	61	0	0	512	30	4	8	720	55	8	1	518	53	12	4	512	48	16	3	910	42	23	0	514	36	-0
73	62	0	0	718	27	4	0	720	30	8	0	520	38	12	0	520	41	16	9	9999	99	23	0	920	42	-0
73	63	0	0	912	25	4	0	520	23	8	0	518	29	12	0	518	37	16	0	920	39	20	0	518	44	-0
73	64	0	0	720	52	4	0	718	54	1	0	724	43	12	0	521	44	16	2	718	45	20	2	718	45	-0
73	65	0	0	722	52	4	0	720	53	8	0	922	31	12	5	508	30	16	7	930	50	20	5	926	46	-0
73	66	0	0	520	53	4	8	722	59	8	0	1108	95	12	8	1602	98	16	2	910	68	20	0	925	52	1
73	67	0	0	530	54	4	8	535	98	8	8	1140	85	12	6	1122	93	16	3	930	93	20	2	920	59	3
73	68	0	0	518	62	4	0	513	44	8	2	510	51	12	3	510	44	16	0	10	30	20	0	512	28	-0
73	69	0	2	720	45	4	0	724	49	8	0	515	52	12	3	515	55	16	4	922	62	20	6	921	65	1
73	70	0	8	1118	93	4	8	1415	93	8	7	716	93	12	4	908	68	16	3	710	66	20	0	0	64	3
73	71	0	0	1610	71	4	0	1115	79	8	6	1116	70	12	1	1636	60	16	0	1865	45	20	4	1804	50	4
73	72	0	4	2510	56	4	0	904	51	8	0	0	71	12	9	9999	99	16	4	0	58	20	0	12	50	-0
73	73	0	0	3214	52	4	0	3214	55	8	3	3410	63	12	3	2912	50	16	0	3220	50	20	0	20	49	-0
73	74	0	0	3210	46	4	0	3214	43	8	0	3208	46	12	6	0	50	16	0	0	56	20	0	0	39	-0
73	75	0	0	0	42	4	8	518	98	8	3	512	72	12	5	520	59	16	6	523	60	20	8	523	62	1
73	76	0	8	528	98	4	8	525	98	8	8	518	98	12	3	716	65	16	8	522	64	20	8	530	65	3
73	77	0	0	530	48	4	0	534	40	8	0	525	51	12	9	9999	99	16	6	528	63	20	5	937	47	-0
73	78	0	8	740	75	4	8	740	82	8	8	938	40	12	8	938	40	16	3	924	38	20	8	920	38	-0
73	79	0	8	930	40	4	8	1140	87	8	8	922	50	12	9	9999	99	16	4	710	55	20	0	913	53	1
73	80	0	0	910	52	4	0	510	57	8	0	514	16	12	9	9999	99	16	6	0	53	20	0	510	29	1
73	81	0	0	512	32	4	0	517	38	8	3	516	93	12	5	510	79	16	4	0	59	20	0	511	57	1
73	82	0	8	518	98	4	6	514	80	8	7	512	93	12	6	512	93	16	8	510	66	20	8	512	63	3
73	83	0	8	910	98	4	8	908	98	8	0	706	40	12	3	0	90	16	6	0	89	20	0	510	43	1
73	84	0	0	512	45	4	0	522	49	8	7	522	97	12	1	724	30	16	0	910	36	20	0	920	42	3
73	85	0	0	920	57	4	0	722	68	8	0	916	60	12	0	914	63	16	8	912	65	20	8	912	61	-0
73	86	0	0	715	21	4	0	710	44	8	0	710	50	12	0	506	44	16	4	506	46	20	0	214	23	-0
73	87	0	8	518	98	4	8	520	98	8	0	724	56	12	0	716	26	16	0	520	52	20	0	520	53	3
73	88	0	0	722	56	4	0	910	48	8	0	910	44	12	0	912	14	16	0	922	55	20	0	930	52	-0
73	89	0	8	920	98	4	8	930	98	8	8	918	97	12	3	510	93	16	4	0	60	20	6	920	62	3
73	90	0	8	3212	98	4	8	508	98	8	2	1105	97	12	2	914	72	16	0	910	64	20	0	912	56	3
74	63	0	0	0	50	4	0	0	50	8	8	910	54	12	7	910	65	16	0	965	70	20	8	918	70	1
74	64	0	8	920	98	4	8	1110	94	8	8	1422	88	12	8	924	87	16	6	1130	78	20	8	1120	70	3
74	65	0	8	1140	98	4	8	1135	98	8	8	1132	69	12	8	1122	70	16	4	1118	70	20	0	1420	56	3
74	66	0	0	1118	62	4	0	1125	63	8	8	920	67	12	0	1416	67	16	0	1410	65	20	0	1418	60	3
74	67	0	0	1418	63	4	8	1120	98	8	8	1424	67	12	0	1808	61	16	7	1403	65	20	0	505	48	3
74	70	0	0	0	52	4	0	2504	50	8	0	2302	41	12	4	2316	63	16	0	2320	51	20	0	2320	52	-0
74	71	0	8	2515	60	4	8	2905	68	8	8	2306	69	12	8	2310	74	16	8	2310	75	20	8	2310	75	3
74	72	0	8	3210	98	4	8	20	80	8	8	3418	71	12	8	2732	70	16	9	2965	73	20	9	2310	73	3
74	73	0	8	2910	98	4	8	2920	98	8	8	2712	71	12	8	0	70	16	8	2503	67	20	8	2305	55	3
74	74	0	8	2508	63	4	4	2506	58	8	0	0	55	12	0	2708	60	16	0	2310	54	20	0	2310	55	-0
74	77	0	8	3415	58	4	8	2510	70	8	8	0	68	12	8	0	78	16	8	3	77	20	8	205	77	3
74	78	0	6	2906	70	4	0	0	74	8	0	0	74	12	4	0	76	16	8	0	73	20	0	908	68	-0
74	79	0	0	0	65	4	0	0	53	8	0	0	52	12	8	0	76	16	8	0	72	20	8	0	64	-0
74	80	0	8	2510	60	4	8	2320	79	8	8	2318	76	12	4	2310	44	16	0	2712	44	20	0	2319	62	-0
74	81	0	7	2515	60	4	0	2318	58	8	0	2316	74	12	2	2322	71	16	6	2320	72	20	4	2335	73	-0
74	84	0	0	708	58	4	0	1610	65	8	0	1438	65	12	0	1402	54	16	0	1410	58	20	0	1415	54	-0
74	85	0	0	1638	50	4	0	2004	48	8	0	2010	58	12	0	0	56	16	0	0	60	20	0	2717	64	-0
74	86	0	0	2306	60	4	0	902	56	8	0	0	44	12	0	0	46	16	0	0	53	20	0	0	60	-0
74	87	0	0	704	58	4	0	0	66	8	0	0	62	12	0	2508	51	16	0	1810	56	20	0	2038	52	-0
74	88	0	0	2010	50	4	0	2308	50	8	0	2308	48	12	0	2708	59	16	0	1403	60	20	0	2710	56	-0

TABLE 6 (d)

AMOS, MOUNT HALEAKALA, MAUI, HAWAII

WEATHER DATA FOR APR

YR	JO	OT	CC	WIND	RH	OT	CC	WIND	RH	OT	CC	WIND	RH	OT	CC	WIND	RH	OT	CC	WIND	RH	OT	CC	WIND	RH	WX	
73	91	0	0	510	54	4	0	510	48	8	0	508	65	12	0	716	52	16	0	520	56	20	0	513	61	-0	
73	92	0	0	710	51	4	0	710	48	8	0	1112	56	12	0	910	50	16	0	708	58	20	0	906	48	-0	
73	93	0	0	904	45	4	0	0	42	8	0	0	56	12	0	0	55	16	4	4	58	20	5	3203	99	-0	
73	94	0	0	3212	98	4	0	2918	49	8	1	3216	26	12	0	3218	6	16	0	3221	35	20	0	3220	38	3	
73	95	0	0	2720	27	4	0	2718	15	8	0	2714	17	12	0	2510	5	16	0	2715	12	20	0	2717	15	-0	
73	96	0	0	2316	17	4	0	2315	15	8	0	2720	70	12	1	2722	31	16	0	3220	40	20	0	3213	44	-0	
73	97	0	0	3210	42	4	0	3210	38	8	0	3213	35	12	0	3204	24	16	0	11	38	20	0	9	35	-0	
73	98	0	0	3210	21	4	0	10	14	8	0	0	5	12	0	2904	20	16	0	2706	24	20	0	9	30	-0	
73	99	0	0	208	33	4	0	708	34	8	0	1102	16	12	0	1402	20	16	0	1803	25	20	0	9999	99	-0	
73	100	0	0	710	69	4	0	715	98	8	0	1408	44	12	6	704	52	16	8	2732	56	20	0	912	47	2	
73	101	0	0	520	52	4	0	930	50	8	0	1120	20	12	0	1107	99	16	0	3210	10	20	9	9999	99	-0	
73	102	0	0	512	44	4	0	1110	45	8	0	1112	15	12	0	1108	35	16	0	510	38	20	0	911	50	-0	
73	103	0	0	506	53	4	0	6	26	8	0	934	14	12	0	3204	20	16	0	0	30	20	0	0	13	-0	
73	104	0	0	3204	15	4	0	3202	10	8	0	3202	30	12	0	510	5	16	0	910	12	20	0	918	15	-0	
73	105	0	0	512	19	4	0	516	23	8	0	920	47	12	1	922	15	16	0	918	17	20	0	526	15	-0	
73	106	0	0	740	20	4	0	729	37	8	0	920	55	12	0	722	48	16	0	924	62	20	0	930	60	-0	
73	107	0	0	740	98	4	0	944	98	8	0	934	48	12	0	926	45	16	0	932	46	20	0	1123	44	2	
73	108	0	0	920	52	4	0	722	51	8	0	928	48	12	0	1130	32	16	0	1420	36	20	0	1421	33	-0	
73	109	0	0	1518	39	4	0	912	42	8	0	1110	25	12	0	508	99	16	6	0	32	20	1	1410	34	-0	
73	110	0	0	1404	37	4	0	1802	23	8	5	0	31	12	3	204	87	16	8	8	56	20	0	908	53	1	
73	111	0	0	510	98	4	0	918	98	8	7	910	97	12	4	1604	37	16	0	508	36	20	0	510	40	1	
73	112	0	0	510	42	4	0	912	38	8	5	1110	30	12	5	1108	30	16	3	908	30	20	4	910	33	-0	
73	113	0	0	510	42	4	0	912	44	8	3	918	18	12	4	907	32	16	0	1412	32	20	0	1112	20	-0	
73	114	0	0	1116	22	4	0	706	20	8	0	510	18	12	0	718	22	16	0	516	31	20	0	512	8	-0	
73	115	0	0	512	11	4	0	512	10	8	0	516	5	12	0	512	20	16	0	518	16	20	0	512	11	-0	
73	116	0	0	525	14	4	0	520	10	8	0	530	16	12	0	520	17	16	0	514	31	20	0	716	15	-0	
73	117	0	0	715	15	4	0	717	21	8	0	912	18	12	2	504	23	16	0	207	23	20	0	511	16	-0	
73	118	0	0	512	18	4	0	520	23	8	0	516	5	12	0	506	17	16	0	711	12	20	0	910	13	-0	
73	119	0	0	912	10	4	0	508	7	8	0	910	5	12	0	510	16	16	0	510	19	20	0	716	36	-0	
73	120	0	0	710	37	4	0	510	15	8	0	514	14	12	0	514	25	16	2	712	47	20	0	910	44	-0	
74	91	0	0	2906	52	4	0	3204	50	8	0	2702	46	12	0	2306	20	16	0	2708	50	20	0	2710	58	-0	
74	92	0	0	2910	56	4	0	3406	58	8	0	3208	54	12	0	0	15	16	0	2709	34	20	0	2920	48	-0	
74	93	0	0	2910	44	4	0	2904	46	8	0	0	36	12	1	0	49	16	0	2303	55	20	0	2510	15	-0	
74	94	0	0	2510	18	4	0	2520	98	8	0	910	65	12	1	908	64	16	8	2510	59	20	6	2716	64	3	
74	95	0	0	2718	67	4	0	2720	98	8	0	916	62	12	7	910	50	16	9	9999	99	20	9	9999	99	3	
74	96	0	0	920	98	4	0	925	98	8	6	910	67	12	8	914	70	16	8	2920	68	20	0	2725	60	3	
74	97	0	0	730	78	4	0	220	66	8	9	916	55	12	7	912	65	16	1	2714	70	20	0	2910	50	1	
74	100	0	0	718	54	4	0	710	45	8	8	1416	45	12	6	1408	44	16	8	204	20	20	0	0	35	-0	
74	101	0	0	0	41	4	0	704	56	8	0	1410	62	12	7	0	60	16	8	1403	78	20	6	0	72	3	
74	102	0	0	204	98	4	0	3408	98	8	8	0	70	12	6	0	72	16	8	2310	76	20	0	1806	73	2	
74	105	0	0	2510	98	4	0	2710	79	8	0	912	74	12	1	510	67	16	4	2510	68	20	8	2520	75	3	
74	106	0	0	2710	98	4	6	2	18	82	8	0	908	47	12	3	0	68	16	0	0	62	20	0	1805	60	3
74	107	0	0	910	69	4	0	910	72	8	0	914	66	12	4	0	61	16	8	2309	68	20	8	2710	70	3	
74	108	0	0	915	98	4	0	720	98	8	8	910	72	12	8	912	71	16	8	2918	75	20	8	3218	72	3	
74	109	0	0	718	98	4	0	720	98	8	8	1410	70	12	8	1422	74	16	8	3218	75	20	8	2718	76	3	
74	112	0	0	2708	82	4	0	2520	98	8	8	918	81	12	8	908	82	16	8	2310	76	20	8	2510	73	4	
74	113	0	0	0	83	4	0	2906	77	8	0	1805	72	12	8	5	72	16	8	2310	73	20	0	1606	67	4	
74	114	0	0	1402	72	4	0	0	68	8	0	3205	60	12	8	3203	62	16	8	0	75	20	0	2304	61	1	
74	115	0	0	0	58	4	0	2014	56	8	0	505	35	12	0	502	70	16	5	1104	68	20	0	2310	35	-0	
74	116	0	0	2705	46	4	0	1818	53	8	0	12	42	12	0	6	60	16	0	2016	37	20	0	2012	47	-0	
74	119	0	0	2925	70	4	0	2930	68	8	8	1423	70	12	0	1416	70	16	0	2720	70	20	0	2724	70	3	
74	120	0	0	2920	66	4	0	2918	65	8	0	1410	63	12	0	2306	71	16	1	2315	63	20	0	2720	68	-0	

TABLE 6 (e)

AMOS, MOUNT HALEAKALA, MAUI, HAWAII

WEATHER DATA FOR MAY

YR	JD	OT	CC	WIND	RH	OT	CC	WIND	RH	OT	CC	WIND	RH	OT	CC	WIND	RH	OT	CC	WIND	RH	OT	CC	WIND	RH	WX	
72	123	0	0	2902	99	4	2	3200	99	8	9	9999	99	12	9	9999	99	16	9	9999	99	20	3	2504	99	-0	
72	124	0	4	1605	99	4	6	2310	99	8	9	9999	99	12	9	9999	99	16	9	9999	99	20	3	2904	99	-0	
72	125	0	0	2310	99	4	0	3202	99	8	9	9999	99	12	9	9999	99	16	9	9999	99	20	0	0	99	-0	
72	126	0	0	1602	99	4	0	1102	99	8	9	9999	99	12	9	9999	99	16	9	9999	99	20	0	912	99	-0	
72	129	0	0	3202	99	4	0	2	99	8	9	9999	99	12	9	9999	99	16	9	9999	99	20	9	9999	99	-0	
72	130	0	0	705	99	4	0	910	99	8	9	9999	99	12	9	9999	99	16	9	9999	99	20	0	504	99	-0	
72	131	0	0	905	99	4	0	905	99	8	9	9999	99	12	9	9999	99	16	9	9999	99	20	0	0	99	-0	
72	132	0	2	2501	99	4	2	2705	99	8	9	9999	99	12	9	9999	99	16	9	9999	99	20	1	0	99	-0	
72	133	0	3	1805	99	4	3	1805	99	8	9	9999	99	12	9	9999	99	16	9	9999	99	20	0	13	99	-0	
72	137	0	0	510	99	4	0	505	99	8	9	9999	99	12	9	9999	99	16	9	9999	99	20	0	216	99	-0	
72	138	0	0	922	99	4	0	918	99	8	2	518	31	12	0	512	29	16	1	712	23	20	1	914	7	-0	
72	139	0	0	715	11	4	0	718	13	8	0	514	26	12	0	516	31	16	0	718	30	20	0	5	1	22	-0
72	140	0	0	920	20	4	0	918	16	8	0	518	24	12	0	516	19	16	0	716	37	20	2	715	34	-0	
72	143	0	2	1110	20	4	3	1412	22	8	3	1118	17	12	4	3402	39	16	0	714	45	20	5	718	47	-0	
72	144	0	5	920	70	4	4	920	56	8	0	922	41	12	8	916	42	16	8	924	51	20	0	711	55	-0	
72	145	0	7	920	65	4	3	918	56	8	9	714	30	12	8	510	28	16	8	508	26	20	2	710	26	-0	
72	146	0	7	915	31	4	6	1110	28	8	8	718	41	12	8	908	56	16	8	509	58	20	5	713	41	2	
72	147	0	7	710	43	4	0	205	35	8	0	5	6	23	12	0	2302	36	16	0	914	35	20	0	709	38	-0
72	151	0	8	910	42	4	8	3205	40	8	2	512	35	12	0	212	41	16	3	710	37	20	0	914	36	-0	
72	152	0	4	920	40	4	2	918	30	8	0	714	35	12	1	714	36	16	8	515	33	20	8	710	18	-0	
73	121	0	0	715	49	4	0	720	39	8	0	712	18	12	5	712	36	16	6	917	45	20	0	930	41	-0	
73	122	0	0	926	40	4	0	924	17	8	5	514	44	12	4	512	32	16	4	922	44	20	0	924	41	-0	
73	123	0	0	925	35	4	0	920	30	8	0	1118	34	12	0	1110	36	16	0	908	25	20	0	917	9	-0	
73	124	0	0	920	25	4	0	920	10	8	6	1118	40	12	5	904	35	16	2	912	31	20	6	716	31	-0	
73	125	0	0	910	40	4	5	910	40	8	1	904	21	12	6	510	15	16	0	510	41	20	0	506	43	-0	
73	126	0	0	708	30	4	0	906	25	8	0	906	20	12	3	0	45	16	4	702	47	20	3	713	33	-0	
73	127	0	0	910	35	4	0	1114	50	8	0	910	50	12	0	0	41	16	0	917	48	20	9	9999	99	-0	
73	128	0	0	1120	43	4	0	1115	43	8	0	1410	50	12	0	1602	34	16	4	703	48	20	0	906	52	-0	
73	129	0	5	910	55	4	8	716	98	8	8	510	62	12	5	4	55	16	1	2705	57	20	0	3	32	-0	
73	130	0	2	3	20	4	0	908	40	8	0	1402	34	12	0	0	30	16	0	0	31	20	0	0	29	-0	
73	131	0	0	2703	17	4	0	0	99	8	5	2902	10	12	8	2303	44	16	8	0	38	20	0	0	50	1	
73	132	0	5	0	50	4	3	0	48	8	8	3204	40	12	8	3204	98	16	8	3204	75	20	0	0	68	1	
73	133	0	0	0	45	4	3	0	45	8	0	6	38	12	8	3204	98	16	0	903	88	20	0	0	49	1	
73	134	0	4	2705	40	4	3	2910	38	8	0	3204	28	12	2	8	38	16	5	3404	47	20	4	3408	28	-0	
73	135	0	3	15	28	4	0	10	8	8	0	2	8	12	0	0	24	16	0	6	43	20	0	13	31	-0	
73	136	0	1	15	22	4	0	10	8	8	0	210	40	12	0	12	18	16	0	518	21	20	0	517	23	-0	
73	137	0	0	710	30	4	0	5	32	8	5	512	98	12	8	0	98	16	0	918	89	20	0	519	79	1	
73	138	0	8	925	55	4	8	920	98	8	8	912	98	12	2	908	48	16	2	517	51	20	0	518	49	3	
73	139	0	0	516	49	4	0	510	46	8	0	510	20	12	0	514	30	16	0	516	34	20	0	515	36	-0	
73	140	0	0	516	39	4	0	512	42	8	0	508	28	12	0	507	29	16	0	510	30	20	0	521	34	-0	
73	141	0	0	715	40	4	0	720	50	8	8	516	74	12	7	712	60	16	8	510	61	20	8	515	62	1	
73	142	0	8	510	63	4	8	710	76	8	0	704	52	12	8	0	60	16	5	4	60	20	0	710	51	1	
73	143	0	0	908	48	4	0	508	45	8	0	906	29	12	5	904	56	16	6	0	57	20	7	911	61	1	
73	144	0	8	1111	98	4	8	705	98	8	1	908	81	12	8	506	98	16	3	0	59	20	0	0	62	3	
73	145	0	0	1802	60	4	0	1804	57	8	0	0	29	12	0	1804	57	16	0	0	58	20	0	0	61	-0	
73	146	0	0	3204	55	4	0	3204	47	8	0	3206	24	12	0	6	44	16	0	0	52	20	0	0	54	-0	
73	149	0	8	505	65	4	0	508	60	8	0	902	53	12	0	0	99	16	0	0	64	20	0	0	52	1	
73	150	0	0	0	45	4	0	3204	36	8	1	6	43	12	8	1804	98	16	0	910	48	20	0	1411	46	-0	
73	151	0	0	916	54	4	0	920	49	8	0	922	50	12	2	1110	78	16	0	921	69	20	0	1431	70	-0	
74	121	0	3	2924	86	4	4	2724	80	8	0	707	55	12	0	1410	62	16	0	3210	65	20	0	3210	60	0	
74	122	0	0	3208	58	4	0	3212	82	8	0	1404	62	12	0	0	70	16	0	2006	55	20	0	3210	33	-0	
74	123	0	0	3210	48	4	0	1404	64	8	0	2	34	12	0	0	32	16	8	0	58	20	0	3408	44	1	
74	126	0	0	2706	40	4	0	3204	51	8	0	508	24	12	0	0	40	16	0	2718	52	20	0	2312	61	-0	
74	127	0	0	2312	61	4	0	2718	60	8	0	714	42	12	0	518	40	16	0	2318	32	20	0	2720	55	-0	
74	128	0	4	2920	63	4	8	2925	69	8	0	1115	59	12	0	916	52	16	0	2718	62	20	0	2722	63	-0	
74	129	0	0	2716	60	4	4	925	58	8	0	917	57	12	0	914	50	16	8	2315	60	20	0	915	43	2	
74	130	0	4	6	52	4	5	1	56	8	8	514	40	12	8	508	36	16	8	2306	23	20	8	0	23	-0	
74	133	0	5	904	56	4	6	1806	54	8	8	1402	61	12	8	508	60	16	8	0	55	20	8	2704	38	-0	
74	134	0	8	903	63	4	8	906	67	8	8	0	55	12	8	0	52	16	8	0	58	20	8	0	60	2	
74	135	0	8	1118	98	4	6	1804	89	8	0	2008	65	12	3	0	69	16	8	3204	76	20	0	1402	73	3	
74	136	0	0	0	65	4	0	2	73	8	0	0	63	12	0	0	68	16	8	1404	63	20	3	2708	63	-0	
74	137	0	0	908	66	4	0	506	63	8	0	716	48	12	8	10	54	16	8	3206	67	20	8	912	66	1	
74	140	0	8	1112	98	4	8	9999	87	8	0	1106	63	12	4	920	69	16	2	1412	58	20	0	520	40	1	
74	141	0	0	912																							

TABLE 6 (f)

AMOS, MOUNT HALEAKALA, MAUI, HAWAII

WEATHER DATA FOR JUN

YR	JO	OT	CC	WIND	RH	OT	CC	WIND	RH	OT	CC	WIND	RH	OT	CC	WIND	RH	OT	CC	WIND	RH	OT	CC	WIND	RH	OT	CC	WIND	RH	WX	
72	153	0	6	710	22	4	7	509	23	8	4	216	19	12	8	2702	38	16	4	2913	45	20	9	9999	99	-0					
72	154	0	3	535	10	4	2	1635	15	8	8	1435	13	12	8	1805	38	16	9	9999	99	20	9	9999	99	-0					
72	157	0	2	2020	75	4	6	2325	60	8	4	2318	83	12	5	2712	58	16	5	2718	63	20	8	2711	71	-0					
72	158	0	0	2710	69	4	0	2718	70	8	0	2910	57	12	2	3212	49	16	0	3207	47	20	0	3258	48	-0					
72	159	0	2	3215	39	4	3	2310	39	8	2	3202	46	12	8	2313	50	16	5	2304	46	20	0	2302	48	-0					
72	160	0	0	2003	49	4	2	2605	49	8	0	1802	49	12	3	1806	50	16	0	2713	53	20	0	2302	41	-0					
72	161	0	0	1505	41	4	0	2505	41	8	4	912	39	12	3	2036	41	16	4	2503	45	20	4	2002	35	-0					
72	164	0	0	1610	40	4	0	1804	42	8	0	1804	31	12	1	1811	40	16	1	0	45	20	0	0	36	-0					
72	165	0	0	2702	35	4	0	2705	39	8	3	2	29	12	0	2	27	16	0	939	21	20	0	512	15	-0					
72	166	0	0	10	20	4	0	12	30	8	0	3402	30	12	9	9999	99	16	1	209	25	20	0	512	15	-0					
72	167	0	0	516	21	4	0	218	25	8	0	510	22	12	0	516	16	16	9	9999	99	20	9	9999	99	-0					
72	168	0	0	718	52	4	0	920	48	8	0	920	39	12	2	1413	46	16	9	9999	99	20	9	9999	99	-0					
72	171	0	3	510	52	4	3	218	48	8	0	910	42	12	3	3234	49	16	3	3408	52	20	0	534	51	-0					
72	172	0	0	518	30	4	0	210	32	8	0	206	36	12	3	910	41	16	3	0	53	20	8	712	56	-0					
72	173	0	5	510	72	4	5	204	83	8	4	508	37	12	6	536	56	16	3	4	55	20	0	539	37	-0					
72	174	0	0	1613	39	4	8	1608	98	8	9	1406	57	12	8	1404	57	16	8	1408	88	20	6	1416	56	3					
72	175	0	6	910	92	4	5	202	87	8	0	510	59	12	9	9999	99	16	8	1411	61	20	8	0	57	-0					
72	178	0	5	922	20	4	4	224	22	8	8	530	19	12	8	518	16	16	6	713	15	20	7	525	15	-0					
72	179	0	6	230	81	4	6	225	98	8	8	530	98	12	3	518	42	16	4	521	28	20	7	517	33	2					
72	180	0	7	220	38	4	8	210	42	8	3	510	29	12	6	514	16	16	8	508	28	20	7	708	25	-0					
72	181	0	4	1110	36	4	2	904	28	8	2	1832	25	12	4	1812	31	16	4	3202	52	20	1	916	37	-0					
72	182	0	4	1110	39	4	0	2702	28	8	3	916	31	12	4	1402	51	16	4	2303	52	20	9	9999	99	-0					
73	152	0	0	528	38	4	0	522	40	8	0	935	40	12	2	930	36	16	0	921	40	20	0	522	43	-0					
73	153	0	0	520	40	4	0	529	37	8	3	40	35	12	2	20	28	16	0	520	22	20	0	526	25	-0					
73	154	0	0	516	29	4	2	514	35	8	5	920	18	12	4	912	32	16	6	910	23	20	0	518	26	-0					
73	155	0	0	510	25	4	0	518	30	8	3	720	23	12	0	924	19	16	3	920	35	20	0	925	31	-0					
73	156	0	0	930	28	4	0	930	31	8	0	922	30	12	0	920	30	16	0	920	31	20	0	920	25	-0					
73	157	0	0	924	30	4	6	1130	20	8	2	920	5	12	5	924	35	16	3	920	38	20	0	922	32	-0					
73	158	0	0	916	35	4	2	512	37	8	5	508	28	12	3	720	28	16	3	930	30	20	0	931	32	-0					
73	159	0	0	924	37	4	8	930	40	8	4	920	14	12	5	920	40	16	3	910	26	20	0	511	24	-0					
73	160	0	0	510	27	4	0	918	39	8	0	930	40	12	0	925	36	16	0	939	35	20	0	932	39	-0					
73	161	0	0	925	41	4	0	920	45	8	0	920	32	12	0	510	25	16	0	920	31	20	0	923	28	-0					
73	162	0	0	915	41	4	0	910	49	8	0	710	9	12	0	908	12	16	4	916	29	20	3	924	36	-0					
73	163	0	4	725	42	4	0	920	26	8	0	930	40	12	3	710	45	16	0	926	45	20	0	933	41	-0					
73	164	0	0	930	49	4	0	935	52	8	5	935	50	12	3	928	53	16	0	931	49	20	0	940	50	-0					
73	165	0	0	730	53	4	0	930	50	8	0	920	45	12	0	910	15	16	0	920	17	20	0	930	22	-0					
73	166	0	0	922	29	4	0	1120	30	8	0	1116	40	12	0	920	32	16	0	928	36	20	0	930	35	-0					
73	167	0	0	925	37	4	0	516	39	8	9	9999	99	12	9	9999	99	16	3	910	41	20	0	918	38	-0					
73	168	0	0	514	49	4	4	510	35	8	9	9999	99	12	9	9999	99	16	0	0	42	20	0	510	37	-0					
73	169	0	0	708	38	4	0	705	26	8	0	504	22	12	1	202	33	16	2	2914	38	20	0	10	22	-0					
73	170	0	0	210	29	4	0	208	26	8	2	516	30	12	2	51	16	16	2	2705	48	20	0	203	10	-0					
73	171	0	0	202	19	4	0	6	25	8	0	502	15	12	0	503	15	16	3	0	21	20	0	0	48	-0					
73	172	0	0	932	43	4	0	0	39	8	0	1638	15	12	0	1816	20	16	0	1810	28	20	0	0	34	-0					
73	173	0	3	1410	19	4	2	0	38	8	5	1402	24	12	3	2704	32	16	0	0	29	20	0	0	28	-0					
73	174	0	0	504	34	4	0	506	30	8	9	9999	99	12	9	9999	99	16	0	510	42	20	0	512	37	-0					
73	175	0	0	504	34	4	0	504	27	8	9	9999	99	12	9	9999	99	16	0	0	39	20	0	10	36	-0					
73	176	0	0	210	39	4	0	710	37	8	3	510	9	12	0	8	10	16	3	3210	13	20	0	10	11	-0					
73	177	0	0	210	19	4	0	16	24	8	6	210	7	12	7	10	9	16	8	4	11	20	6	4	8	-0					
73	178	0	4	508	10	4	0	209	10	8	0	704	6	12	0	3404	15	16	3	1102	16	20	3	508	18	-0					
73	179	0	4	510	23	4	3	210	21	8	1	710	7	12	0	510	8	16	0	206	11	20	0	510	5	-0					
73	180	0	0	910	7	4	0	718	11	8	0	910	5	12	0	710	13	16	0	512	15	20	0	522	18	-0					
74	154	0	0	510	52	4	0	2	46	8	3	910	49	12	8	904	58	16	2	910	56	20	8	1116	57	1					
74	155	0	9	9999	99	4	9	9999	99	8	8	910	53	12	6	0	51	16	8	2302	54	20	0	908	36	1					
74	156	0	9	9999	99	4	9	9999	99	8	0	1810	39	12	4	2304	38	16	3	2312	43	20	4	0	15	-0					
74	157	0	9	9999	99	4	9	9999	99	8	7	1418	30	12	6	1408	26	16	8	1416	22	20	5	1616	27	-0					
74	158	0	9	9999	99	4	9	9999	99	8	0	1618	43	12	0	1608	41	16	3	1410	51	20	3	1410	48	-0					
74	161	0	9	9999	99	4	9	9999	99	8	0	1408	14	12	0	1405	28	16	3	2314	35	20	3	0	30	-0					
74	162	0	0	502	24	4	0	9999	25	8	2	1413	24	12	1	0	26	16	5	3406	25	20	2	2	25	-0					

TABLE 6 (g)

AMOS, MOUNT HALEAKALA, MAUI, HAWAII

WEATHER DATA FOR JUL

YR	JD	OT	CC	WIND	RH	OT	CC	WIND	RH	OT	CC	WIND	RH	OT	CC	WIND	RH	OT	CC	WIND	RH	OT	CC	WIND	RH	WX
72	185	0	0	1104	20	4	0	924	18	8	0	513	44	12	1	506	49	16	9	9999	99	20	9	9999	99	-0
72	187	0	0	722	19	4	0	920	22	8	0	525	47	12	4	530	40	16	5	530	36	20	3	718	32	-0
72	188	0	0	719	38	4	0	710	33	8	0	1110	36	12	0	510	35	16	3	912	44	20	0	910	42	-0
72	189	0	0	710	39	4	0	1115	40	8	0	1406	55	12	2	0	51	16	0	1108	46	20	0	1406	42	-0
72	192	0	4	1110	49	4	8	2010	62	8	8	964	48	12	8	502	53	16	8	728	46	20	8	920	42	-0
72	193	0	8	725	46	4	8	922	44	8	8	906	38	12	8	914	40	16	8	528	47	20	7	517	36	-0
72	194	0	3	920	38	4	8	720	30	8	8	910	33	12	4	514	34	16	7	911	31	20	6	517	31	-0
72	195	0	0	720	19	4	0	720	20	8	4	520	20	12	6	520	44	16	4	520	46	20	0	714	53	-0
72	196	0	0	905	28	4	0	1102	15	8	0	908	40	12	8	504	49	16	7	1801	53	20	5	3	48	-0
72	199	0	4	720	52	4	3	918	36	8	0	910	64	12	3	502	65	16	1	0	65	20	0	916	63	-0
72	200	0	0	1115	50	4	0	1118	50	8	0	908	46	12	1	1812	44	16	0	0	41	20	0	901	41	-0
72	201	0	0	1108	44	4	0	1405	52	8	1	1404	44	12	4	1802	47	16	2	0	45	20	5	0	45	-0
72	202	0	0	3202	50	4	0	3202	47	8	4	2702	46	12	2	502	49	16	0	3413	44	20	0	4	41	-0
72	203	0	0	202	53	4	0	1401	40	8	0	1801	33	12	1	0	51	16	0	0	38	20	0	1111	36	-0
72	206	0	0	530	50	4	0	518	39	8	0	512	34	12	1	510	12	16	0	514	8	20	2	510	14	-0
72	207	0	3	702	21	4	2	3202	20	8	0	3412	22	12	1	2002	46	16	3	3202	31	20	3	0	32	-0
72	208	0	3	1802	34	4	5	2505	37	8	1	0	27	12	8	0	66	16	8	3405	63	20	0	0	46	1
72	209	0	8	1418	92	4	8	915	98	8	8	908	66	12	8	0	69	16	6	0	86	20	0	0	36	3
72	211	0	0	2902	22	4	0	3405	16	8	1	910	17	12	2	1422	38	16	2	1612	31	20	3	1808	24	2
73	183	0	0	720	40	4	0	718	49	8	0	513	34	12	7	510	43	16	8	536	98	20	0	508	31	1
73	184	0	0	710	39	4	0	708	33	8	0	710	18	12	0	711	48	16	3	512	49	20	0	516	50	-0
73	186	0	0	1110	52	4	0	1138	99	8	6	1118	63	12	0	1404	42	16	0	510	48	20	0	510	51	-0
73	187	0	0	710	54	4	0	708	99	8	0	918	35	12	0	1122	16	16	0	1120	40	20	0	925	46	-0
73	190	0	3	720	45	4	0	722	46	8	0	724	44	12	0	924	28	16	0	518	31	20	0	520	34	-0
73	191	0	0	920	49	4	0	922	44	8	0	916	48	12	0	914	48	16	2	936	54	20	2	910	52	-0
73	192	0	7	715	50	4	4	1110	50	8	0	1118	37	12	0	1106	42	16	0	1408	46	20	0	910	44	-0
73	193	0	6	910	48	4	0	910	40	8	0	1112	34	12	0	912	33	16	0	516	36	20	0	516	39	-0
73	194	0	0	720	43	4	0	725	40	8	0	720	40	12	0	728	45	16	0	920	47	20	0	516	42	-0
73	197	0	3	2702	35	4	2	3405	38	8	7	205	13	12	8	1801	72	16	8	0	98	20	0	504	28	1
73	199	0	0	710	32	4	0	1602	30	8	0	2902	12	12	8	0	62	16	8	2704	59	20	0	0	54	1
73	199	0	0	0	56	4	0	204	51	8	0	0	9	12	2	0	44	16	2	206	49	20	0	0	52	-0
73	200	0	0	1604	52	4	0	0	49	8	0	0	40	12	0	0	44	16	0	210	47	20	0	508	49	-0
73	201	0	0	510	49	4	0	510	47	8	0	1110	19	12	0	0	56	16	4	0	61	20	0	1104	58	-0
73	204	0	0	5	62	4	0	0	58	8	0	10	48	12	4	3208	50	16	0	3208	52	20	0	10	49	-0
73	205	0	0	10	46	4	0	4	46	8	0	0	35	12	8	0	68	16	8	0	98	20	0	0	62	1
73	206	0	0	704	48	4	0	1410	43	8	0	1406	40	12	6	0	58	16	6	0	70	20	0	0	59	1
73	207	0	0	0	32	4	0	0	30	8	0	1104	27	12	2	8	50	16	0	0	52	20	0	0	48	-0
73	208	0	0	904	28	4	0	0	25	8	0	1410	52	12	0	1606	50	16	8	0	47	20	0	904	32	-0
73	211	0	0	1115	30	4	0	1110	29	8	0	1104	12	12	0	210	16	16	0	1104	28	20	0	918	35	-0
73	212	0	0	920	31	4	0	1120	30	8	0	722	20	12	0	918	25	16	0	516	15	20	0	518	19	-0
74	182	0	7	1404	63	4	7	1106	50	8	0	0	41	12	0	0	44	16	8	0	44	20	5	1802	34	-0
74	183	0	8	1404	43	4	5	1404	41	8	2	1407	31	12	1	2306	32	16	6	2	22	20	1	706	29	-0
74	184	0	0	1430	36	4	0	3212	51	8	0	1412	37	12	0	1408	42	16	0	1410	40	20	0	1430	25	-0
74	186	0	3	1435	42	4	3	1140	46	8	0	720	43	12	0	716	40	16	1	912	31	20	0	910	27	-0
74	189	0	0	1420	36	4	0	1410	34	8	0	1412	40	12	0	1112	41	16	0	0	43	20	0	9999	32	-0
74	190	0	0	1118	44	4	3	920	61	8	0	918	50	12	0	916	53	16	0	922	49	20	0	914	36	-0
74	191	0	2	912	35	4	0	1418	35	8	0	1103	41	12	0	510	40	16	0	910	35	20	0	1412	20	-0
74	192	0	0	1114	26	4	0	1416	25	8	0	1410	40	12	0	709	38	16	5	712	64	20	0	914	64	-0
74	193	0	0	912	63	4	8	912	98	8	0	1122	55	12	0	920	52	16	1	930	61	20	0	926	63	3
74	194	0	3	920	99	4	5	1120	58	8	0	918	56	12	8	912	71	16	0	918	64	20	7	916	59	2
74	197	0	0	918	63	4	0	910	64	8	0	914	58	12	8	512	66	16	8	508	68	20	8	1408	68	2
74	198	0	0	904	66	4	8	1408	98	8	8	1416	65	12	8	918	68	16	8	1118	65	20	4	910	60	3
74	199	0	0	1404	58	4	0	1402	63	8	9	3402	53	12	6	0	51	16	4	508	64	20	0	916	60	-0
74	200	0	0	1410	58	4	0	1120	62	8	2	1408	29	12	3	1404	31	16	6	910	52	20	4	712	52	-0
74	203	0	0	2020	48	4	8	2920	50	8	0	2310	58	12	3	1808	54	16	3	2304	62	20	0	0	60	-0
74	204	0	3	910	75	4	2	0	60	8	0	10	58	12	0	10	52	16	0	10	60	20	9	9999	99	-0
74	205	0	0	908	53	4	4	1108	42	8	0	918	44	12	0	1430	41	16	0	1424	52	20	0	1435	52	-0
74	206	0	3	935	48	4	0	924	55	8	0	1422	55	12	0	911	52	16	3	1416	50	20	0	1420	60	-0
74	207	0	0	915	65	4	0	920	58	8	0	1126	59	12	5	508	51	16	4	1112	64	20	0	916	63	-0
74	210	0	0	1602	50	4	0	1806	45	8	0	0	42	12	0	0	44	16	3	2304	50	20	0	0	43	-0
74	211	0	0	1804	35	4	0	2304	35	8	0	0	36	12	0	0	35	16	0	506	38	20	0	510	38	-0
74	212	0	0	912	43	4	0	912	50	8	0	910	55	12	0	1426	51	16	0	1426	51	20	0	1430	51	-0

TABLE 6 (h)
AMOS, MOUNT MALEAKALA, MAUI, HAWAII

WEATHER DATA FOR AUG

YR	JD	OT	CC	WIND	RH	OT	CC	WIND	RH	OT	CC	WIND	RH	OT	CC	WIND	RH	OT	CC	WIND	RH	OT	CC	WIND	RH	WX
72	214	0	7	1610	27	4	7	2020	25	8	1	2012	11	12	1	2736	49	16	0	2310	25	20	0	2912	38	-0
72	215	0	3	3406	22	4	0	3410	21	8	0	3204	12	12	0	3298	24	16	0	0	11	20	0	707	9	-0
72	216	0	0	202	11	4	0	205	12	8	0	506	6	12	0	506	15	16	0	2504	31	20	9	9999	99	-0
72	217	0	0	1135	11	4	2	1502	15	8	1	0	11	12	8	1104	37	16	0	504	31	21	0	704	29	-0
72	220	0	0	910	17	4	0	905	13	8	0	506	47	12	3	1804	57	16	0	508	43	20	0	513	41	-0
72	221	0	0	518	40	4	0	918	51	8	0	10	54	12	7	508	55	16	0	4	55	20	0	708	45	-0
72	222	0	0	718	38	4	0	720	36	8	0	522	45	12	1	916	52	16	0	508	48	20	0	516	44	-0
72	223	0	0	518	81	4	0	205	62	8	8	510	59	12	8	0	64	16	9	9999	99	20	9	9999	99	3
72	224	0	3	510	85	4	5	015	90	8	8	514	64	12	8	510	69	16	9	9999	99	20	9	9999	99	3
72	227	0	0	905	19	4	0	707	16	8	0	912	45	12	0	512	56	16	0	1116	53	20	0	925	56	-0
72	228	0	0	722	55	4	7	920	53	8	1	514	61	12	0	514	47	16	0	1603	30	20	0	708	42	-0
72	229	0	0	1112	53	4	0	1418	30	8	0	1418	34	12	1	1410	42	16	0	2004	46	20	0	914	54	-0
72	230	0	0	920	52	4	0	1124	23	8	0	934	26	12	0	936	43	16	0	930	50	20	0	936	49	-0
72	231	0	7	916	54	4	3	920	32	8	0	210	98	12	8	908	98	16	8	726	74	20	0	530	72	1
72	234	0	1	1110	65	4	4	918	62	8	0	1114	56	12	0	938	61	16	0	710	53	20	9	9999	99	-0
72	235	0	0	4	45	4	0	506	47	8	0	4	42	12	0	3216	43	16	0	3410	36	20	3	12	20	-0
72	236	0	0	2	26	4	0	902	28	8	0	10	18	12	4	510	46	16	9	9999	99	20	9	9999	99	-0
72	237	0	0	914	40	4	8	720	57	8	0	508	46	12	6	0	53	16	7	0	50	20	9	9999	99	-0
72	238	0	0	912	48	4	0	910	37	8	0	910	36	12	1	504	50	16	0	716	43	20	0	916	33	-0
72	241	0	0	910	50	4	0	710	50	8	0	706	52	12	1	518	50	16	0	226	44	20	0	224	45	-0
72	242	0	0	220	45	4	0	210	45	8	8	12	73	12	8	20	75	16	8	24	75	20	7	30	75	3
72	243	0	0	20	73	4	8	20	85	8	8	3216	75	12	8	3212	78	16	6	2906	76	20	9	9999	99	3
72	244	0	0	3206	70	4	0	2902	67	8	0	0	65	12	8	1804	77	16	8	2	77	20	0	0	71	3
73	213	0	0	720	19	4	0	718	22	8	0	518	19	12	0	508	9	16	0	206	11	20	0	216	16	-0
73	214	0	0	15	14	4	0	510	18	8	0	512	11	12	0	510	23	16	0	508	27	20	0	504	33	-0
73	215	0	0	506	28	4	0	704	15	8	0	910	27	12	0	712	42	16	4	518	55	20	9	9999	99	1
73	218	0	0	1130	78	4	0	940	50	8	0	718	52	12	0	911	54	16	0	516	55	20	0	518	30	-0
73	219	0	0	715	30	4	0	720	34	8	0	702	22	12	0	902	30	16	0	508	25	20	0	504	20	-0
73	221	0	0	510	22	4	0	232	20	8	0	708	28	12	7	2706	72	16	8	0	98	20	0	904	59	3
73	221	0	1	2004	63	4	0	2702	69	8	0	1102	22	12	1	2002	42	16	4	0	49	20	0	1804	21	-0
73	222	0	0	1808	15	4	0	2010	26	8	0	2308	52	12	0	2310	56	16	0	1804	49	20	9	9999	99	-0
73	225	0	8	3418	61	4	0	908	36	8	0	902	38	12	0	0	48	16	0	0	45	20	0	0	40	-0
73	226	0	0	0	36	4	0	2006	35	8	0	2502	38	12	0	0	50	16	0	3202	52	20	8	0	26	-0
73	227	0	6	0	26	4	3	0	32	8	0	0	21	12	4	0	55	16	0	0	56	20	0	0	48	-0
73	228	0	0	0	53	4	0	204	40	8	0	0	32	12	0	0	55	16	4	0	56	20	0	0	54	-0
73	229	0	0	904	60	4	0	204	55	8	0	0	22	12	0	0	32	16	8	0	45	20	6	504	52	-0
73	232	0	0	918	49	4	4	1116	45	8	0	910	12	12	0	710	38	16	0	518	40	20	0	9999	36	-0
73	233	0	0	912	8	4	0	906	6	8	0	710	25	12	4	0	48	16	6	902	98	20	4	904	19	1
73	234	0	0	910	45	4	4	710	58	8	8	708	58	12	8	0	58	16	8	504	50	20	6	904	40	1
73	235	0	4	2004	49	4	3	2004	39	8	7	1409	47	12	6	1804	31	16	6	1803	30	20	6	0	48	-0
73	236	0	6	1604	42	4	6	904	20	8	7	914	33	12	5	916	60	16	9	9999	99	20	9	9999	99	-0
73	239	0	0	920	29	4	0	720	50	8	0	912	37	12	0	1102	32	16	0	516	37	20	0	510	25	-0
73	240	0	0	918	36	4	0	908	20	8	0	504	13	12	6	710	32	16	4	518	41	20	9	9999	99	-0
73	241	0	0	504	44	4	0	708	36	8	7	704	22	12	7	710	13	16	4	506	10	20	0	510	19	-0
73	242	0	0	9910	28	4	0	712	20	8	0	1104	17	12	0	709	15	16	0	504	11	20	0	504	11	-0
73	243	0	0	710	20	4	0	710	23	8	0	706	14	12	0	506	20	16	9	9999	99	20	9	9999	99	-0
74	213	0	0	1114	50	4	0	1114	50	8	0	1124	53	12	0	936	50	16	0	935	45	20	0	1140	47	-0
74	214	0	0	1120	38	4	1	1114	42	8	0	910	40	12	0	918	36	16	5	910	43	20	4	514	38	-0
74	217	0	9	9999	99	4	9	9999	99	8	0	912	38	12	2	906	35	16	1	910	39	20	5	1418	27	-0
74	218	0	3	1410	29	4	4	1418	43	8	0	916	29	12	0	705	26	16	4	0	18	20	4	1110	33	-0
74	219	0	7	918	30	4	7	504	38	8	7	702	33	12	8	0	31	16	8	510	38	20	6	914	38	-0
74	220	0	8	916	46	4	7	1606	48	8	8	0	26	12	8	0	24	16	8	2312	37	20	8	2306	35	-0
74	221	0	7	2110	43	4	8	2314	0	8	0	2308	38	12	8	2310	39	16	8	2318	47	20	7	508	34	3
74	224	0	0	3222	44	4	0	2920	48	8	0	716	53	12	1	720	41	16	8	520	24	20	9	9999	99	-0
74	225	0	3	716	39	4	3	522	41	8	4	222	38	12	4	215	42	16	7	506	34	20	8	908	35	-0
74	226	0	8	710	41	4	0	706	39	8	9	9999	34	12	6	9999	29	16	8	1405	34	20	3	1804	30	-0
74	227	0	2	1804	36	4	4	2006	47	8	1	2306	28	12	3	1808	25	16	6	3202	30	20	8	1804	30	-0
74	228	0	1	1804	42	4	0	1402	40	8	2	1106	35	12	9	9999	99	16	4	906	43	20	4	1402	40	-0
74	229	0	4	1408	38	4	5	1410	35	8	9	9999	99	12	9	9999	99	16	9	9999	99	20	9	9999	99	-0
74	231	0	0	2910	47	4	3	2708	52	8	0	0	32	12	8	206	0	16	5	1402	57	20	0	0	48	3
74	232	0	0	1602	51	4	0	902	56	8	0	506	32	12	4	904	44	16	6	904	32	20	0	904	24	-0
74	233	0	0	508	48	4	0	510	51	8	4	508	34	12	4	506	37	16	5	506	30	20	0	910	25	-0
74	234	0	0	1114	46	4	0	1410	51	8	0	1404	30	12	0	0	34	16	3	1506	13	20	0	1408	25	-0
74	235																									

TABLE 6 (i)

AMOS, MOUNT HALEAKALA, MAUI, HAWAII

WEATHER DATA FOR SEP

YR	JD	OT	CC	WIND	RH	OT	CC	WIND	RH	OT	CC	WIND	RH	OT	CC	WIND	RH	OT	CC	WIND	RH	OT	CC	WIND	RH	WX
72	245	0	0	206	67	4	0	706	70	8	7	536	73	12	1	504	75	16	1	206	75	20	0	513	68	3
72	249	0	0	0	59	4	0	0	56	8	1	0	53	12	0	0	60	16	2	0	65	20	0	264	44	-0
72	250	0	0	0	48	4	0	2310	42	8	0	2510	46	12	5	2712	64	16	8	2310	65	20	9	3204	45	1
72	251	0	0	2706	40	4	0	2710	34	8	0	3206	22	12	5	2902	52	16	8	2306	58	20	6	3404	48	-0
72	252	0	0	2306	35	4	0	2304	37	8	0	2306	34	12	1	2708	46	16	7	2508	47	20	7	2704	38	-0
72	255	0	0	2305	30	4	0	2302	29	8	0	0	41	12	1	2706	56	16	0	2706	38	20	0	2704	36	-0
72	256	0	0	2902	36	4	0	2910	42	8	0	2306	39	12	9	9999	99	16	0	2515	36	20	0	2310	34	-0
72	257	0	0	2312	32	4	0	2320	42	8	0	2312	39	12	0	2320	44	16	0	2312	39	20	0	2515	40	-0
72	258	0	0	2310	47	4	0	1620	46	8	8	1418	46	12	9	9999	99	16	8	1819	63	20	8	1817	61	2
72	259	0	1	1810	61	4	0	1810	57	8	0	1410	42	12	2	2318	43	16	4	0	53	20	1	3	52	-0
72	262	0	2	506	50	4	0	0	54	8	0	516	26	12	0	0	27	16	0	0	22	20	0	208	12	-0
72	263	0	0	215	18	4	0	208	22	8	0	714	41	12	0	910	44	16	0	910	37	20	0	916	46	-0
72	264	0	0	910	28	4	0	906	6	8	0	908	7	12	0	506	22	16	0	2	12	20	0	519	9	-0
72	265	0	0	712	10	4	0	415	16	8	0	508	7	12	0	504	26	16	0	916	20	20	0	0	5	-0
72	266	0	0	904	3	4	0	910	9	8	2	906	7	12	1	1404	18	16	0	2001	36	20	0	203	13	-0
72	269	0	0	203	10	4	0	206	15	8	0	1402	17	12	0	0	30	16	0	0	30	20	0	207	18	-0
72	270	0	7	205	22	4	3	210	26	8	4	706	28	12	1	2	21	16	0	12	30	20	0	22	30	-0
72	271	0	0	18	30	4	0	214	8	8	0	518	47	12	0	524	42	16	0	524	41	20	0	920	22	-0
72	273	0	0	1114	36	4	0	910	17	8	0	504	19	12	1	4	46	16	7	0	62	20	0	204	10	-0
72	274	0	0	910	10	4	0	908	6	8	0	510	24	12	4	2304	38	16	7	2304	49	20	0	708	50	-0
73	247	0	0	510	36	4	0	904	41	8	0	0	10	12	0	510	28	16	8	210	98	20	8	518	98	1
73	248	0	8	530	48	4	0	720	49	8	0	516	27	12	0	514	38	16	0	516	32	20	0	518	28	1
73	249	0	0	720	39	4	0	718	44	8	0	524	24	12	0	908	15	16	0	510	29	20	1	512	29	-0
73	250	0	3	718	39	4	2	716	41	8	0	714	24	12	0	714	30	16	0	514	35	20	0	516	28	-0
73	253	0	0	2004	30	4	0	2508	36	8	0	2708	35	12	0	2710	28	16	0	0	26	20	0	2304	29	-0
73	254	0	0	704	32	4	0	710	28	8	0	1402	15	12	0	0	24	16	1	0	19	20	0	0	28	-0
73	255	0	0	0	30	4	3	0	30	8	0	1404	20	12	0	0	23	16	0	0	15	20	0	505	25	-0
73	256	0	0	1104	28	4	0	1410	28	8	0	1107	22	12	6	704	41	16	8	911	98	20	8	910	98	2
73	257	0	8	1120	98	4	8	910	98	8	8	707	80	12	8	2	82	16	8	6	85	20	4	10	55	3
73	260	0	0	915	40	4	0	722	35	8	0	716	49	12	0	723	53	16	3	525	95	20	4	527	45	-0
73	261	0	4	508	68	4	6	910	50	8	0	710	35	12	0	0	36	16	3	516	42	20	0	910	18	-0
73	262	0	0	910	21	4	0	904	24	8	0	908	18	12	0	1410	23	16	0	1418	52	20	2	1410	44	-0
73	263	0	8	906	78	4	0	1104	50	8	0	1108	55	12	4	2602	48	16	7	0	95	20	2	0	42	1
73	264	0	0	904	39	4	0	710	25	8	0	508	18	12	0	710	40	16	9	9999	99	20	9	9999	99	-0
73	267	0	0	715	45	4	4	710	50	8	0	712	22	12	0	716	30	16	0	918	27	20	0	918	27	-0
73	268	0	8	920	98	4	4	1120	63	8	0	914	48	12	0	910	66	16	0	508	54	20	0	504	58	3
73	269	0	1	508	62	4	3	712	57	8	0	706	40	12	1	510	48	16	0	10	42	20	0	506	39	-0
73	270	0	3	218	47	4	0	508	60	8	0	912	92	12	0	508	64	16	4	4	60	20	9	9999	99	-0
73	271	0	3	704	57	4	0	908	55	8	0	502	50	12	0	3402	58	16	0	3204	60	20	8	518	98	1
74	246	0	0	0	63	4	8	0	0	8	0	502	62	12	8	0	66	16	8	0	0	20	8	0	0	3
74	247	0	6	9999	68	4	2	9999	54	8	0	0	61	12	8	0	64	16	8	4	0	20	2	0	63	2
74	248	0	2	9999	69	4	0	9999	49	8	0	9999	46	12	7	0	54	16	8	0	59	20	0	908	52	1
74	249	0	0	904	50	4	0	902	52	8	0	726	46	12	4	706	47	16	0	504	49	20	0	908	52	-0
74	252	0	4	1120	63	4	8	1118	0	8	2	920	60	12	8	1116	54	16	8	1118	0	20	0	1112	48	3
74	253	0	0	1115	51	4	8	1110	77	8	1	1108	43	12	7	0	47	16	6	0	48	20	0	2912	41	-0
74	254	0	0	1112	43	4	0	1110	43	8	0	910	50	12	3	913	99	16	4	910	42	20	0	908	35	-0
74	255	0	1	1406	19	4	0	1102	19	8	0	1107	36	12	8	0	43	16	8	0	49	20	0	3206	35	1
74	256	0	0	0	31	4	0	2704	72	8	0	1106	31	12	0	514	14	16	2	2312	10	20	0	2310	18	-0
74	259	0	0	902	31	4	0	1410	49	8	1	1403	51	12	8	0	54	16	8	0	59	20	0	0	56	1
74	260	0	0	1604	62	4	0	0	48	8	0	0	49	12	8	0	55	16	8	0	0	20	0	0	52	2
74	261	0	0	0	49	4	0	9999	48	8	0	0	42	12	8	0	54	16	3	0	0	20	0	0	49	2
74	262	0	0	9999	51	4	0	9999	60	8	0	0	44	12	8	0	52	16	8	2904	0	20	0	2908	58	3
74	263	0	0	2910	60	4	0	3202	40	8	0	0	37	12	5	535	41	16	2	2010	44	20	0	2008	48	-0
74	266	0	3	0	49	4	5	0	51	8	0	0	42	12	8	502	47	16	8	510	57	20	3	510	54	1
74	267	0	3	510	58	4	2	912	56	8	0	714	47	12	3	710	31	16	6	908	59	20	0	516	45	-0
74	268	0	0	912	47	4	0	908	43	8	0	710	36	12	0	708	42	16	0	508	46	20	0	904	53	-0
74	269	0	0	706	51	4	0	0	35	8	0	0	36	12	3	0	38	16	0	502	39	20	0	502	44	-0
74	270	0	0	4	44	4	2	502	46	8	0	0	34	12	0	0	36	16	2	1102	38	20	0	1104	42	-0
74	271	0	0	1410	30	4	2	3206	20	8	9	9999	99	12	9	9999	99	16	9	9999	99	20	9	9999	99	-0
74	273	0	3	2922	55	4	6	2920	48	8	0	1416	38	12	3	1410	42	16	0	3214	46	20	0	3208	51	-0

TABLE 6 (j)

AMOS, MOUNT HALEAKALA, HAWAII, III

WEATHER DATA FOR OCT

YR	JD	OT	CC	WIND	PH	OT	CC	WIND	PH	OT	CC	WIND	PH	OT	CC	WIND	PH	OT	CC	WIND	PH	OT	CC	WIND	PH	OT	CC	WIND	PH	WX
72	275	0	0	507	37	4	0	705	37	8	0	904	34	12	3	1804	41	16	4	0	42	20	0	208	29	-0				
72	276	0	0	210	33	4	0	204	36	8	0	704	14	12	0	1104	11	16	0	1159	6	20	0	1408	13	-0				
72	277	0	8	720	89	4	8	918	98	8	4	1120	99	12	3	2002	45	16	6	6	53	20	8	916	53	3				
72	278	0	8	715	98	4	8	710	55	8	7	0	54	12	8	2034	55	16	8	1804	56	20	3	0	53	3				
72	279	0	0	0	47	4	0	0	49	8	0	0	51	12	8	0	52	16	0	0	34	20	2	0	51	-0				
72	280	0	0	0	24	4	0	1102	33	8	0	904	39	12	6	0	49	16	6	0	34	20	2	1603	29	-0				
72	281	0	0	1408	22	4	0	1606	20	8	1	1406	24	12	1	1406	26	16	0	1406	22	20	0	2004	24	-0				
72	282	0	0	2704	23	4	0	3206	18	8	1	0	14	12	6	0	50	16	4	3402	49	20	2	0	32	-0				
72	283	0	0	704	35	4	0	2	31	8	0	3411	35	12	2	1416	42	16	9	9999	99	20	6	29	43	-0				
72	284	0	8	22	49	4	5	25	52	8	2	24	50	12	3	26	50	16	2	26	50	20	9	9999	99	-0				
72	285	0	0	20	56	4	0	215	58	8	6	14	50	12	3	8	15	16	2	4	12	20	0	10	15	-0				
72	286	0	0	517	7	4	0	212	5	8	0	0	15	12	0	0	40	16	0	503	48	20	0	908	13	-0				
72	287	0	0	1116	43	4	8	1610	98	8	3	1810	57	12	0	510	53	16	0	504	39	20	8	1608	78	-0				
72	288	0	0	1810	55	4	0	1802	40	8	1	0	36	12	0	0	5	16	0	2006	6	20	0	1604	35	-0				
72	289	0	0	2316	45	4	0	1202	50	8	0	0	48	12	8	0	60	16	1	0	53	20	0	0	41	3				
72	290	0	0	10	43	4	0	504	39	8	0	506	40	12	7	506	45	16	0	504	50	20	9	9999	99	-0				
72	291	0	0	710	32	4	0	3404	36	8	0	0	29	12	0	8	46	16	0	506	24	20	0	905	13	-0				
72	292	0	0	1804	20	4	0	1102	25	8	0	1404	11	12	0	0	38	16	1	0	45	20	0	2308	15	-0				
72	293	0	0	0	13	4	0	1102	23	8	0	1802	10	12	1	1803	21	16	1	2312	20	20	0	2314	10	-0				
72	294	0	0	2506	13	4	0	2504	10	8	0	2308	8	12	0	2712	24	16	0	2310	27	20	0	2310	9	-0				
72	295	0	0	2312	3	4	0	1816	5	8	0	1818	10	12	1	2310	14	16	0	2315	18	20	2	2010	5	-0				
72	296	0	1	2712	17	4	0	2516	10	8	0	2316	10	12	0	2320	22	16	0	2523	26	20	0	2321	24	-0				
72	297	0	0	2910	27	4	0	2908	28	8	0	2510	8	12	0	512	12	16	0	514	6	20	0	913	13	-0				
72	298	0	0	920	27	4	0	1620	23	8	0	1112	12	12	1	510	14	16	0	6	18	20	0	910	13	-0				
72	299	0	0	18	21	4	0	10	20	8	0	3212	23	12	1	3206	31	16	2	9999	51	20	0	3404	25	-0				
72	300	0	7	3410	42	4	7	3216	77	8	8	3210	50	12	8	3210	76	16	8	910	69	20	8	910	67	3				
72	301	0	8	3210	98	4	8	2	98	8	3	9	62	12	2	502	61	16	3	2710	59	20	8	18	65	2				
72	302	0	8	712	65	4	8	1406	98	8	4	904	64	12	6	1808	62	16	4	2007	61	20	8	2011	66	3				
72	303	0	8	2310	98	4	8	2318	75	8	8	2330	98	12	8	1420	98	16	8	2718	70	20	5	1810	66	3				
72	304	0	0	2010	70	4	8	1810	98	8	8	2710	98	12	3	1808	55	16	8	2710	62	20	8	909	62	2				
72	305	0	4	908	95	4	3	1810	76	8	0	1802	60	12	1	903	65	16	0	907	63	20	0	520	61	-0				
73	274	0	0	510	35	4	3	220	35	8	0	10	24	12	0	7	99	16	0	4	38	20	0	506	41	-0				
73	275	0	8	504	39	4	0	504	40	8	0	0	20	12	0	0	57	16	0	1402	53	20	9	9999	99	-0				
73	276	0	0	1802	40	4	0	2506	45	8	0	2508	28	12	0	2610	34	16	0	1816	39	20	0	2012	35	-0				
73	277	0	0	2014	38	4	0	2016	43	8	0	1606	30	12	1	2306	45	16	0	1904	42	20	0	902	49	-0				
73	278	0	0	918	46	4	0	704	48	8	0	91	20	12	1	910	40	16	9	9999	99	20	9	9999	99	-0				
73	281	0	8	722	60	4	8	725	64	8	0	922	22	12	0	920	27	16	0	902	33	20	0	918	40	-0				
73	282	0	0	918	46	4	0	916	48	8	0	1112	58	12	0	902	47	16	2	0	48	20	0	510	53	-0				
73	283	0	0	904	41	4	0	0	36	8	0	1105	48	12	3	502	59	16	8	510	68	20	3	506	55	-0				
73	284	0	8	704	60	4	8	704	58	8	0	0	48	12	7	0	60	16	1	0	55	20	0	0	53	1				
73	285	0	8	1104	47	4	5	710	40	8	0	0	42	12	2	0	54	16	7	504	51	20	0	504	54	-0				
73	288	0	0	1410	68	4	0	1804	51	8	0	1606	51	12	8	3402	66	16	8	2	98	20	0	0	42	1				
73	289	0	0	0	56	4	0	504	62	8	0	2	60	12	8	2504	68	16	8	3212	68	20	0	3202	61	1				
73	290	0	1	3410	69	4	5	3420	60	8	0	20	58	12	1	22	60	16	2	18	53	20	4	16	58	1				
73	291	0	3	8	60	4	0	10	63	8	8	1404	62	12	7	1404	63	16	8	1402	98	20	0	0	53	3				
73	292	0	0	504	60	4	0	1810	54	8	3	3202	38	12	2	9999	66	16	2	0	47	20	2	0	49	-0				
73	295	0	0	1404	61	4	0	1105	39	8	0	0	10	12	0	0	18	16	9	9999	99	20	9	9999	99	-0				
73	296	0	0	0	40	4	0	0	32	8	0	1404	40	12	0	1404	23	16	9	9999	99	20	9	9999	99	-0				
73	297	0	0	1102	30	4	0	0	26	8	0	1402	22	12	0	1404	26	16	2	1806	30	20	1	1810	18	-0				
73	298	0	0	1804	29	4	0	1818	42	8	0	1410	24	12	0	1114	22	16	0	910	32	20	9	910	14	-0				
73	299	0	0	918	22	4	4	1118	40	8	0	1110	32	12	0	1102	20	16	0	0	29	20	0	506	22	-0				
73	302	0	0	1130	62	4	0	1140	40	8	0	1126	50	12	0	1113	42	16	9	9999	99	20	9	9999	99	-0				
73	303	0	8	1120	98	4	8	1115	98	8	0	1404	62	12	6	2302	58	16	9	9999	99	20	9	9999	99	3				
73	304	0	4	1606	61	4	3	1802	69	8	0	1608	58	12	2	2313	50	16	0	0	50	20	9	9999	99	-0				
74	274	0	0	3204	48	4	0	3202	50	8	0	0	23	12	2	0	28	16	0	0	31	20	8	0	35	-0				
74	275	0	8	1802	30	4	3	1802	20	8	8	0	17	12	0	0	23	16	0	0	20	20	0	0	31	-0				
74	276	0	0	0	26	4	0	0	27	8	0	0	19	12	1	0	20	16	0	0	23	20	2	906	28	-0				
74	277	0	3	904	21	4	4	908	26	8	0	1406	27	12	0	0	18	16	2	504	14	20	9	9999	99	-0				
74	280	0	2	2518	72	4	2	2710	43	8	0	910	44	12	8	4	48	16	2	2304	44	20	8	2708	44	1				
74	281	0	2	2006	77	4	0	2512	61	8	0	510	40	12	2	0	32	16	0	508	36	20	0	510	42	-0				
74	282	0	0	504	46	4	0	510	49	8	0	510	25	12	2	502	29	16	0	502	32	20	0	502	38	-0				
74	283	0	8	502	42	4	8	0	46	8	4	506	35	12	7	0	39	16	4	0	43	20	9	0	47	-0				
74	284	0	0	0	48	4	3	0	49	8	0	0	19	12	0	0	27	16	9	502	0	20	0	502	39	-0				
74	287	0	0	3406																										

TABLE 6 (k)

AMOS, MOUNT HALEAKALA, MAUI, HAWAII

WEATHER DATA FOR NOV

YR	JO	OT	CC	WIND	RH	OT	CC	WIND	RH	OT	CC	WIND	RH	OT	CC	WIND	RH	OT	CC	WIND	RH	OT	CC	WIND	RH	WX
72	306	0	0	920	63	4	0	919	42	8	0	518	8	12	0	518	5	16	0	17	6	20	0	940	33	-0
72	307	0	0	3224	35	4	0	3225	30	8	1	518	29	12	1	518	46	16	8	919	58	20	5	924	58	-0
72	308	0	6	3228	70	4	6	1120	61	8	5	520	53	12	1	510	33	16	0	916	26	20	0	919	36	-0
72	309	0	0	3210	23	4	0	3216	15	8	1	518	11	12	1	515	15	16	0	919	25	20	0	912	26	-0
72	310	0	0	3224	25	4	0	3210	25	8	0	906	22	12	0	516	25	16	0	512	23	20	0	918	26	-0
72	311	0	0	915	33	4	0	920	30	8	0	918	35	12	0	916	37	16	9	9999	99	20	9	9999	99	-0
72	312	0	8	910	94	4	0	910	60	8	0	908	93	12	4	1414	60	16	0	1806	53	20	0	913	50	3
72	313	0	0	10	53	4	0	202	47	8	8	516	59	12	8	512	74	16	6	519	66	20	0	912	52	3
72	314	0	0	10	55	4	8	14	98	8	8	513	35	12	0	514	35	16	0	922	42	20	0	924	47	2
72	315	0	6	916	98	4	0	918	45	8	0	512	40	12	0	510	42	16	0	919	39	20	0	923	50	2
72	316	0	0	916	50	4	0	910	41	8	0	906	36	12	2	906	39	16	5	906	42	20	0	910	23	-0
72	317	0	0	910	25	4	0	910	18	8	8	512	24	12	8	510	36	16	6	910	32	20	2	519	27	-0
72	318	0	4	915	38	4	5	920	73	8	4	924	28	12	7	920	30	16	8	925	24	20	3	926	25	-0
72	320	0	3	924	90	4	0	930	30	8	8	920	98	12	0	914	46	16	0	920	37	20	0	923	43	1
72	319	0	8	920	32	4	8	928	47	8	7	916	30	12	7	918	15	16	4	916	26	20	9	9999	99	-0
72	321	0	0	920	46	4	0	922	47	8	0	916	40	12	0	916	39	16	0	911	36	20	0	920	38	-0
72	322	0	0	920	40	4	0	924	35	8	8	1410	52	12	0	504	49	16	0	919	44	20	0	919	54	1
72	323	0	8	912	55	4	0	1104	55	8	0	0	58	12	4	1404	60	16	7	0	61	20	0	4	38	1
72	324	0	0	508	40	4	0	510	35	8	0	510	31	12	0	4	34	16	0	3	41	20	0	0	99	-0
72	325	0	0	510	37	4	0	910	30	8	0	710	20	12	0	510	20	16	0	516	19	20	0	520	21	-0
72	326	0	0	518	23	4	0	714	22	8	0	910	21	12	0	2908	20	16	0	706	13	20	0	706	14	-0
72	327	0	0	718	19	4	0	712	18	8	0	910	12	12	0	912	10	16	0	902	17	20	0	903	14	-0
72	330	0	0	904	10	4	0	902	12	8	0	1812	16	12	0	1810	27	16	0	909	25	20	0	907	23	-0
72	331	0	0	902	21	4	6	903	42	8	8	1825	54	12	8	2025	58	16	8	2524	60	20	0	2320	45	3
72	332	0	0	512	72	4	0	520	66	8	0	2720	43	12	0	2710	18	16	0	726	13	20	0	720	20	-0
72	333	0	0	725	24	4	0	722	23	8	0	3218	21	12	0	3216	22	16	0	3216	24	20	0	3213	23	-0
72	334	0	0	2920	32	4	0	2718	27	8	0	2310	44	12	0	2312	19	16	0	922	26	20	0	926	30	-0
72	335	0	0	2324	20	4	0	2330	15	8	0	2332	18	12	0	2325	24	16	0	922	19	20	0	920	17	-0
73	305	0	4	2705	52	4	4	2904	59	8	0	0	58	12	1	4	54	16	2	504	45	20	1	508	45	-0
73	306	0	3	706	48	4	9	9999	99	8	0	710	16	12	0	3216	30	16	0	3	27	20	0	904	24	-0
73	309	0	7	0	58	4	5	3404	58	8	6	0	32	12	6	4	15	16	4	504	13	20	0	0	17	-0
73	310	0	5	0	28	4	0	0	26	8	0	0	18	12	7	0	18	16	4	0	25	20	0	0	17	-0
73	311	0	0	706	29	4	0	508	18	8	0	506	26	12	0	906	41	16	0	0	31	20	0	904	30	-0
73	312	0	0	708	28	4	0	702	30	8	0	0	32	12	8	0	58	16	8	0	52	20	2	0	49	1
73	313	0	6	0	52	4	4	0	48	8	0	0	38	12	2	0	50	16	0	2904	45	20	6	2902	42	-0
73	316	0	8	10	98	4	8	1206	98	8	8	518	73	12	8	514	73	16	8	516	98	20	8	508	98	3
73	317	0	8	510	98	4	8	720	98	8	0	206	73	12	8	0	65	16	4	504	56	20	0	910	47	3
73	318	0	3	1110	56	4	4	1110	53	8	0	1102	68	12	7	0	70	16	8	1116	77	20	3	1113	70	1
73	319	0	2	1104	72	4	3	905	70	8	0	1112	69	12	1	906	70	16	0	506	63	20	0	509	57	-0
73	320	0	0	910	61	4	0	1118	60	8	0	910	67	12	0	910	62	16	4	916	59	20	0	910	43	-0
73	323	0	0	1110	64	4	7	1118	76	8	7	1610	39	12	7	1810	53	16	7	1404	49	20	8	1410	61	-0
73	324	0	8	1120	72	4	8	910	98	8	8	1474	73	12	8	1418	72	16	8	910	76	20	8	518	98	3
73	325	0	6	1120	71	4	6	1140	82	8	0	1440	40	12	2	1130	61	16	8	922	68	20	7	920	73	-0
73	330	0	9	9999	99	4	9	9999	99	8	8	1114	72	12	8	1410	75	16	8	908	98	20	8	910	98	3
73	331	0	2	910	80	4	7	912	75	8	8	918	73	12	8	916	73	16	8	916	73	20	8	908	98	1
73	332	0	1	1108	75	4	3	1108	78	8	8	1810	76	12	8	1806	80	16	8	1804	98	20	8	1806	98	3
73	333	0	1	0	78	4	3	0	80	8	1	1804	74	12	8	0	74	16	8	1802	92	20	8	1806	78	1
73	334	0	1	1608	70	4	5	0	70	8	8	1114	23	12	8	1410	72	16	8	1818	98	20	8	1816	98	3
74	305	0	0	910	32	4	0	908	40	8	0	0	32	12	0	0	33	16	0	1106	30	20	0	0	28	-0
74	308	0	0	1430	30	4	0	1420	26	8	0	1116	22	12	0	1114	18	16	8	908	18	20	0	918	17	-0
74	309	0	0	1418	26	4	0	1410	20	8	0	1122	24	12	0	710	28	16	0	1116	38	20	0	1110	33	-0
74	310	0	0	920	31	4	0	920	27	8	0	906	36	12	8	920	47	16	8	920	0	20	8	920	0	3
74	311	0	0	930	0	4	8	922	0	8	0	925	47	12	9	1125	48	16	8	1120	0	20	0	1120	0	3
74	312	0	0	1130	61	4	0	1130	54	8	8	1120	52	12	8	1118	54	16	9	9999	99	20	9	9999	99	3
74	315	0	8	1118	0	4	5	1110	63	8	0	1408	45	12	0	918	49	16	8	920	0	20	8	920	0	3
74	316	0	6	508	0	4	0	510	99	8	0	516	45	12	3	510	49	16	0	514	49	20	0	520	55	1
74	317	0	0	522	54	4	0	526	58	8	0	520	43	12	0	210	44	16	0	206	44	20	0	510	34	-0
74	318	0	0	520	41	4	0	722	48	8	0	520	41	12	0	510	43	16	0	208	26	20	0	204	22	-0
74	319	0	0	210	36	4	0	516	37	8	0	218	72	12	2	7	68	16	4	4	62	20	8	904	0	2
74	322	0	0	2520	48	4	8	2720	0	8	0	2318	80	12	6	2312	84	16	8	2306	0	20	8	2010	0	3
74	323	0	8	2302	58	4	8	2904	0	8	8	3402	65	12	8	0	68	16	8	4	0	20	8	10	0	3
74	324	0	8	504	0	4	8	510	0	8	4	3209	63	12	5	0	61	16	8	3204	66	20	0	3210	68	2
74	325	0	8	218	0	4	4	222	80	8	8	510	63	12	8	706	65	16	8	504	68	20	0	504	67	3
74	326	0	0																							

TABLE 6 (1)

AMOS, MOUNT HALEAKALA, MAUI, HAWAII

WEATHER DATA FOR DEC.

YR	JO	OT	CC	WIND	PH	OT	CC	WIND	RH	OT	CC	WIND	RH	OT	CC	WIND	RH	OT	CC	WIND	PH	OT	CC	WIND	RH	WX
72	336	0	0	2330	17	4	0	2326	21	8	0	2018	18	12	0	2322	18	16	0	1820	17	20	0	1820	16	-0
72	337	0	0	2022	17	4	0	2028	18	8	0	2025	23	12	8	2022	54	16	3	925	46	20	5	922	38	1
72	338	0	8	2320	98	4	8	2330	98	8	8	2322	98	12	0	2322	44	16	0	2724	36	20	0	2720	28	3
72	339	0	0	518	12	4	0	510	22	8	0	3210	5	12	0	3212	8	16	0	3217	15	20	0	20	21	-0
72	340	0	0	930	22	4	0	920	21	8	0	18	26	12	0	210	25	16	0	510	26	20	0	516	28	-0
72	341	0	0	515	27	4	0	511	20	8	0	910	15	12	0	910	20	16	0	1419	12	20	0	1417	26	-0
72	342	0	0	2712	20	4	0	2512	25	8	0	2315	23	12	0	2312	30	16	0	2723	31	20	0	3210	30	-0
72	343	0	0	520	11	4	0	515	29	8	0	3212	33	12	8	3216	57	16	0	3223	58	20	0	3222	55	1
72	344	0	0	3206	37	4	0	2306	15	8	0	15	15	12	2	2304	23	16	0	1812	25	20	0	2320	13	-0
72	345	0	0	2520	17	4	8	2322	98	8	8	1825	56	12	7	2325	59	16	4	2327	52	20	8	1830	62	3
72	346	0	8	535	84	4	8	530	98	8	8	1826	98	12	8	1845	95	16	8	1845	98	20	8	2042	98	3
72	347	0	8	2040	98	4	8	2040	98	8	8	1840	98	12	8	1840	98	16	8	2330	62	20	6	2310	48	3
72	348	0	0	2010	43	4	0	2514	40	8	0	2320	4	12	3	2318	25	16	2	2312	34	20	1	2718	26	-0
72	349	0	8	2712	30	4	0	2910	25	8	8	1604	15	12	5	1412	20	16	9	1625	53	20	9	9999	99	1
72	350	0	8	2015	98	4	8	2740	98	8	8	1435	61	12	8	2020	68	16	0	2325	64	20	0	2330	53	3
72	351	0	0	2330	55	4	0	2330	60	8	0	2330	62	12	0	2525	61	16	0	2325	66	20	4	2330	57	1
72	352	0	8	2326	60	4	8	2320	60	8	8	2320	98	12	8	2312	98	16	8	2320	98	20	8	2322	98	1
72	353	0	8	2330	98	4	8	2340	98	8	8	2724	98	12	8	2330	98	16	8	2348	98	20	8	1852	98	3
72	354	0	8	1840	98	4	8	2050	98	8	8	2344	98	12	9	9999	99	16	9	9999	99	20	9	9999	99	2
72	355	0	9	9999	99	4	9	9999	99	8	0	24	31	12	0	10	44	16	0	19	20	20	3	520	13	-0
72	356	0	8	525	22	4	8	520	39	8	1	526	50	12	1	920	54	16	0	722	43	20	0	726	36	-0
72	357	0	0	520	38	4	0	530	44	8	1	520	34	12	4	518	30	16	3	520	40	20	2	717	40	-0
73	337	0	2	1810	80	4	0	1408	82	3	0	1106	82	12	0	1410	82	16	0	1414	61	20	0	1412	65	-0
73	338	0	2	1810	65	4	1	1814	78	8	0	1812	78	12	3	1808	71	16	3	1412	64	20	4	1409	59	-0
73	339	0	0	1808	60	4	0	1610	68	8	0	508	68	12	1	709	68	16	8	508	70	20	0	508	66	-0
73	340	0	0	708	64	4	0	510	60	8	0	509	64	12	0	508	61	16	0	10	54	20	9	9999	99	-0
73	341	0	0	510	58	4	0	504	66	8	0	0	62	12	0	0	64	16	2	942	58	20	0	1102	58	-0
73	342	0	8	910	98	4	8	1612	98	8	8	1615	92	12	8	1450	62	16	8	2740	60	20	8	2340	67	4
73	343	0	6	1120	73	4	8	1118	75	8	8	926	75	12	8	920	73	16	8	930	98	20	8	524	98	1
73	344	0	8	1620	80	4	6	1122	78	8	9	9999	99	12	9	9999	99	16	9	9999	99	20	9	9999	99	-0
74	336	0	0	1618	53	4	0	1620	58	8	0	1810	34	12	0	2006	35	16	0	2514	16	20	0	2020	18	-0
74	337	0	0	2016	22	4	0	2010	37	8	0	2006	29	12	0	1802	31	16	0	904	22	20	9	9999	99	-0
74	338	0	0	504	47	4	0	206	43	8	0	0	22	12	0	0	24	16	0	0	36	20	3	202	37	-0
74	339	0	0	204	36	4	0	210	42	8	0	2	30	12	0	0	32	16	0	0	36	20	0	1804	40	-0
74	340	0	9	1804	43	4	0	2002	43	8	0	0	30	12	0	0	32	16	0	904	38	20	9	9999	99	-0
74	341	0	0	520	53	4	8	526	59	8	0	524	53	12	0	518	54	16	9	9999	99	20	9	9999	99	-0
74	342	0	0	225	56	4	3	530	56	8	0	520	32	12	0	522	14	16	9	9999	99	20	9	9999	99	-0
74	343	0	8	720	0	4	8	718	0	8	0	526	32	12	0	527	33	16	9	9999	99	20	9	9999	99	3
74	344	0	2	935	40	4	6	735	47	8	0	524	37	12	0	522	36	16	0	235	32	20	0	240	34	-0
74	345	0	0	515	34	4	0	522	38	8	4	518	90	12	0	510	40	16	0	514	32	20	0	530	28	-0
74	346	0	9	9999	99	4	9	9999	99	8	9	9999	99	12	9	9999	99	16	9	510	0	20	8	518	0	3
74	347	0	7	520	19	4	8	708	0	8	0	716	65	12	0	708	63	16	0	512	59	20	0	520	55	2
74	348	0	9	9999	99	4	9	9999	99	8	0	718	48	12	0	728	50	16	0	540	40	20	0	558	36	-0
74	349	0	9	9999	99	4	9	9999	99	8	0	555	42	12	0	560	43	16	0	530	41	20	0	540	38	-0
74	350	0	0	740	41	4	0	540	40	8	9	530	38	12	8	520	39	16	8	520	42	20	3	520	45	1
74	351	0	0	510	52	4	0	518	58	8	0	520	58	12	0	2	58	16	9	9999	99	20	9	9999	99	1

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